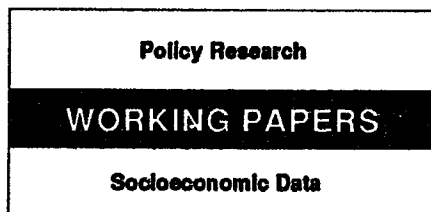


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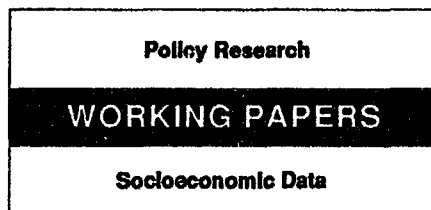
Economies of the Former Soviet Union

An Input-Output Approach to the 1987 National Accounts

Dmitri Steinberg

An input-output approach is used to derive internationally comparable estimates of GNP for the 15 economies of the former Soviet Union.

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This paper — a product of the Socio-Economic Data Division, International Economics Department — is part of a larger effort in the Bank to provide an objective framework for determining whether, and where, special problems of international comparability arise in reports about national accounts of economies emerging from the former Soviet Union. Copies of the paper are available free from the World Bank, 1818 H Street NW, Washington, DC 20433. Please contact Estela Zamora, room S7-136, extension 33706 (December 1992, 113 pages).

Steinberg uses an input-output (I-O) approach to derive internationally comparable estimates of GNP for the 15 economies of the former Soviet Union (FSU). The commonly accepted measure of economic output of GDP or GNP based on the System of National Accounts (SNA) cannot be readily estimated for these economies because relevant statistical reporting systems have yet to be set up to replace the system used historically — the Material Product System (MPS).

Steinberg's "three-tier" approach improves on the short-cut method of "bridge tables (from MPS to SNA)" by integrating additional financial data and using the inherent cross-checks of I-O tables. The three steps in the process are to:

- Analyze the official 20-sector MPS-type I-O tables.
- Integrate financial data on services, etc., from National Economic Balance (NEB) tables.
- Convert the I-O table derived from the integrated NEB tables to SNA forms.

Steinberg resolves inconsistencies between Goskomstat I-O tables for the overall FSU accounts and those for the 15 individual FSU economies by drawing on data from other

financial tables. The main adjustments are in inter-republic trade, which is included in individual FSU economies' I-Os, but not in the overall I-O for the FSU, and for "unplanned" sectors (military, police, and so on). Additional adjustments necessary to estimate GNP from net material product — such as inclusion of nonmaterial services — are explicitly shown in the appropriate I-O sectors. Appendices report details on these and other adjustments, notably the apportionment and revaluation of inter-republic trade from internal to foreign trade prices.

The end product is one in which income, output, and expenditures are estimated in a consistent SNA-type framework for the overall FSU and for the 15 individual FSU economies. These I-O tables provide the information needed for macroeconomic and sectoral analysis, and form the basis for estimating per capita GNP for these economies.

Steinberg presents the three-tier I-O tables for the FSU region as a whole in this paper, but presents only the SNA tier for individual economies. All tables for each FSU economy, with supporting tables, are available on diskettes from the contact person indicated above.

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ECONOMIES OF THE FORMER SOVIET UNION (FSU)

AN INPUT-OUTPUT APPROACH TO THE 1987 NATIONAL ACCOUNTS

Dmitri Steinberg

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Economies of the former Soviet Union (FSU)
An Input-Output Approach to The 1987 National Accounts

Dmitri Steinberg

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Preface

This study is part of an effort by the World Bank to provide an objective framework for determining whether, and where, special problems of international comparability arise in reports about national accounts of economies emerging from the former Soviet Union (FSU). It helped identify analytically significant statistical issues, relative to official reports from some FSU economies, that are currently being explored. In the meantime, this paper provides researchers with the wealth of information generated by the exercise.

National accountants in FSU economies face a formidable task. Like other economies with a heritage of central planning, they must move towards the UN system of national accounts (SNA). But they must do so while redefining the scope of their statistical systems, from subordinate parts in a very centralized process to tools for independent decision-making. This is complex in principle but even more in practice, and national accounts emerging this soon from individual FSU economies may vary markedly in concept and information content despite their shared statistical experience and the most diligent efforts of compilers.

The task confronting the new FSU national accountants is unusually difficult in principle. For example, they must redraw the boundary between resident and nonresident economic units, shifting transactors in all other FSU economies to the rest-of-the-world. This entails, among other issues, apportionment rules for economic units whose accounts were kept on a Union-wide basis. The pervasiveness of central controls, and hence of the Union Government, means that such apportionment rules can have a significant impact on national accounts. There is room for differing views about such rules but a strong case can be made for similarity of rules across the FSU economies. Practical problems further complicate matters. For example, crucial pieces of information, particularly on Union-wide economic agents, did not pass through the subordinate or FSU economy-level statistical systems; and may have been omitted or included in veiled form in Union-level reporting, an assertion made by a number of outside experts in particular about defense and other security activities.

In order to gauge the extent of such disparities, and promote a dialogue about how to enhance international comparability under such difficult circumstances, the World Bank sponsored two efforts by outside experts, to compile SNA-type data for each of the 15 economies emerging from the FSU. This working paper presents the results of a study prepared by Intelligent Decisions Systems (IDS) of Berkeley, California. The main author is Dmitri Steinberg, who has published a number of studies on the Soviet economy; with assistance from Lev Goldenberg, who was involved in official (Goskomstat) compilation of input-output tables until late 1991, and others at the Bank and elsewhere. The views expressed are those of the authors and are not necessarily those of the World Bank.

National compilers in the 15 FSU economies are now attempting to compile SNA-type accounts. Thus far, such efforts seem to have been limited to "bridge-tables" that adjust NMP by a few key aggregates. While certainly a worthwhile beginning, such efforts cannot provide standard SNA details (e.g., private consumption) and are potentially subject to a wide margin of error because "bridge-tables" do not provide cross-checks. National accounting experts from a number of international agencies and OECD countries are advising their counterparts in FSU economies on their experiences in implementing SNA. However, such advice has limited applicability in the near-term because the information systems available to FSU compilers are fundamentally different from, and not readily changed over to, those of developed market economies.

While certainly flawed in many respects, earlier reporting systems do provide a great deal of useful information and will have to continue playing a significant role in the monitoring of FSU economic processes in the near term. And FSU national compilers face a unique challenge in grafting new information sets onto an as-yet unspecified remnants of earlier information systems. This exercise should help them in setting priorities for new information, and deciding which existing reporting systems to preserve.

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ABBREVIATIONS

CBT	Compensation for Business Trips
FSU	Former Soviet Union
FT	Foreign Trade
FTOs	Foreign Trade Organizations
FTDs	Foreign Trade Price Differentials
GCC	General Conversion Coefficient
GNP	Gross National Product
GVO	Gross Value of Output
HIO	Household monetary income and outlays
IDS	Intelligent Decision Systems
I-O	Input-Output
KGB	State Committee on Security
MPS	Material Product System
MVD	Ministry of Internal Affairs
NEB	National Economic Balances
NMP	Net Material Product
SNA	System of National Accounts
T&D	Trade and Distribution
T&C	Transportation and Communications

Economies of the former Soviet Union An Input-Output Approach to The 1987 National Accounts

Dmitri Steinberg¹

Introduction

In the late 1980s, official Soviet sources began to recast data from the Material Product System (MPS) used by centrally planned economies into measures of the System of National Accounts (SNA), which is used by essentially all other economies and now accepted by all as the international standard. However, only a few key indicators were reported and these were based on so-called bridge tables, which do not provide the cross-checks inherent in good national accounting, and specifically the harmonization of data from income, production, and expenditure approaches. While there are significant differences between SNA and MPS, both systems envisage such harmonization efforts. And while such efforts can be constructive in less rigorous form, input-output (I-O) tables provide a convenient framework for such cross-checks.

This paper proposes a new procedure based on the I-O framework, which has the added advantage of being familiar to national accountants in both East and West. Within this framework, conceptual as well as practical differences can be described succinctly as a process of recasting official ex-post I-O tables in current purchasers' prices into SNA format. This is feasible in large part because Former Soviet Union (FSU) economies worked with a more comprehensive set of national accounting tables--called National Economic Balances (NEB)--which provide most if not all of the elements necessary to complete the recasting. The procedure consists of the following steps:

- o analysis of the official 20-sector MPS-type I-O table containing data on production flows
- o integration of financial data on services, etc., from NEB tables; and
- o conversion of the I-O table derived from integrated NEB tables to an SNA format.

This three-tier approach clarifies methodological and estimation issues that undermine direct conversion of a few key MPS aggregates to SNA format. The new approach is first tested for the FSU as a whole, where the results can be compared with official Soviet efforts at MPS-SNA conversion, and then applied to official I-O and other NEB tables compiled for each of 15 FSU economies. The result is three sets of 30-sector I-O tables for each FSU economy and the region as a whole, following official, NEB and SNA formats.

The three I-O tables for the FSU region as a whole are given below, but only the SNA-tier is given for individual economies. All tables for each FSU economy, with some supporting

¹This version of a report submitted by Intelligent Decisions Systems (IDS) on March 4 includes some editorial changes by IECSE and additional text, notably in the introduction and Appendix A. It does not, however, reflect subsequent adjustments made as IDS received additional information from the World Bank and US Census experts preparing estimates according to an income-outlay approach.

tables, are available on diskettes from the Socio-Economic Data Division (IECSE), Room S7-131, The World Bank, Washington, D.C. 20433.

While a great deal can be learned from the FSU's I-O tables, it should be emphasized at the outset that they value goods and services essentially at official or established prices. Given the considerable distortions in relative prices known to exist in such prices, special care should be taken in drawing inferences from nominally equivalent estimates for FSU and market economies. Market-oriented valuation schemes (purchasers' values, producers' versus basic prices, etc.) differ mainly with respect to fiscal wedges (indirect taxes minus subsidies) driven into price structures. Reliance on these wedges is inherently greater in the FSU since central planning left no role for direct taxation of household income and blurred the always subtle boundary between direct and indirect taxation of enterprises (since "exceptional" profits/losses of public enterprises should be treated as indirect taxes/subsidies).

The issue of fiscal price wedges takes on major importance in reporting the value of foreign trade. Appendix A provides some basic information on the differences between so-called internal and foreign prices for traded goods, for the FSU as a whole and for each FSU economy. Considerably more study will be required before definitive results can be expected in this area.

Appendices B-D consider some more technical aspects of sources and methods. Appendix B explains procedures for inserting data on labor income while Appendix C does the same for production and financing of services.

Appendix D measures the importance of differences between the official 1987 I-O table for the FSU as a whole, and the sum of the 1987 I-O tables compiled by the 15 individual FSU economies. There are many plausible explanations, and a great deal of additional work would be required to document all discrepancies. However, it provides circumstantial support to hypotheses that central FSU compilers had information that was not available to compilers in individual economies.

This study does not attempt to go beyond official sources in estimating irregular or secondary economy activities. The analytical significance of exclusion probably is not great in 1987, relative to reporting problems with similar phenomena in market economies. However, the same cannot be said of the recent past, with some official estimates suggesting that as much as 40% of household expenditure in some former FSU economies may have involved such "uncivil" activities, by the first half of 1991. Appendix E provides some additional information.

The present study focuses on 1987 as the last "normal" year for which comprehensive 110-sector I-O tables are available. Formally, a similar exercise was conducted again in 1990. However, inconsistencies in data reporting seem to have begun to affect macro-indicators even for that year before the collapse of the Union. It is expected that the differences will be larger in 1990 than in 1987. This would reinforce the case for more comprehensive cross-checking of national accounting estimates as the FSU economies begin independent compilations.

Comparison of Official, NEB and SNA Formats

The official format was designed jointly by central and republic-level statistical offices--referred to below by their official name Goskomstat--to systematize the detailed information on domestic production and distribution, foreign trade and uses of goods which constitute what Goskomstat officials classify as the newly produced material wealth. Thus, I-O tables compiled according to the official format contain information on production services rendered to distribute (transport, trade, etc.) goods from producers to users but exclude information on "non-material" services, i.e., those services which are not engaged in the distribution of material wealth--household, banking, insurance, advertisement, research, and government administration, including defense, police, etc. National income estimated in official I-O tables is often referred to as net material product (NMP) to emphasize that it excludes income generated by "non-material" services.

To facilitate the conversion of the official format into the SNA format, the NEB format was designed to combine production data with financial data on services that are contained in official Goskomstat tables such as *The monetary balance of household incomes and outlays* (also included on diskettes), *Incomes and outlays of the All-Union and All-FSU economy state budgets*, *Net profit by sector*, *Everyday services*, *Financing of socio-cultural services from all sources*, *Unfinished construction*, *Average annual employment by sector*, and *Average monthly salary by sector*.

The last two tables together contain the only regularly available information on wages paid in state service sectors. The table on households contains data on total wages and paid household services. In official I-O tables, unfinished construction is treated together with inventories as working capital. Data on unfinished construction must be accounted for separately in order to estimate total fixed investment. Other listed tables contain useful information on free household and government services which cannot be found elsewhere. In preparing this report, data was also used on household and state banking services financed by enterprises. These data were experimentally collected by Goskomstat officials but not included in official NEB tables.

I-O table in NEB format contains financial data absent from most official FSU economies' I-O tables:

- o financing of business services included in NMP but excluded from gross national product (GNP),
- o "non-material" services excluded from NMP but included in GNP,
- o unfinished construction,
- o other expenditure of national income,
- o net exports of goods, and
- o control totals for labor and non-labor income earned in all sectors of the economy.²

²Control totals are used in deriving output of "unplanned" sectors as a residual. These sectors (primarily national security and political organizations like the party and Kosomol) did not report to Goskomstat; their imputed accounts are included in the "other" sector of NEB tables.

While designing the NEB format, various errors contained in official tables were located and corrected. After correcting for these errors, we discovered that FSU Goskomstat has consistently underestimated NMP by 3 percent which has resulted in the underestimation of GNP by the same margin. The margin of error contained in official I-O tables of other FSU economies fluctuated from 2 to 6 percent (see below).

NEB tables have most information required for estimating FSU economies' GNP by sector of origin and end use. GNP by sector of origin can be estimated by adding NMP (including net income from foreign trade but excluding losses), depreciation, value added in service and "other" sectors and by subtracting all business services which are financed by enterprises and organizations. GNP by end use can be estimated by adding NMP (excluding losses), paid and free household services, state budgetary outlays on research, administration services and defense, total fixed investment (excluding losses), additions to inventories, net export of goods and services, net interest payments and sales of gold.

Since becoming sovereign states, FSU economies have begun to treat trade with each other as foreign trade transactions. In 1987, however, FSU economies were still part of the FSU. This break in historical continuity poses two difficult methodological issues: 1) how to divide total foreign currency earnings of the FSU among FSU economies and 2) how to estimate intraFSU economy trade of services on which no data were collected. In this paper, we propose tentative solutions for these issues which require further testing. Official Goskomstat estimates of FSU economies' net exports in foreign trade prices can serve as the basis for dividing total foreign currency earnings. The balance of payments connected with service activities are estimated for each FSU economy as a residual after accounting for all known uses of these services within FSU economies.

The Official Format: Tier I

As in standard I-O tables, the official I-O data are stored on the intersection of rows and columns and are aggregated along four directions which are referred to here sometimes as vectors. In correspondence with four quadrants, these vectors are designated as 1.2, 1.3, 2.3 and 3.4. For example, vector 1.2 is designated for rows extending from quadrant I to quadrant II. Quadrant I (the top left section) contains data on interindustry flows. Quadrant II (the top right section) contains data on end uses of goods. Quadrant III (the bottom left section) contains data on value added in material production and "material"-type service sectors. Quadrant IV (the bottom right section) is usually empty in official 20-sector I-O tables, even though the NEB format presupposes that it should contain data on value added in household, research, banking, insurance and state administration services.

Schematically, the information is arranged as follows:

Sources \ Uses	<u>2. Inter-industry</u>	<u>4. End-use</u>
	1.2 or Quadrant I	1.3 or Quadrant II
1. Material		
3. Non-material	2.3 or Quadrant III	3.4 or Quadrant IV

Quadrant IV was completed every five years in connection with the large 110-sector I-O table. However, there are indications that these data are significantly less reliable than data contained in the first three quadrants of the table. The issue that remains unresolved is the extent to which the financial data on value added in service sectors which are collected annually are more accurate than the I-O data. The issue of reliability arises because some services which were provided on FSU economies' territory were financed through centralized channels on which FSU economies could not collect information. Most of these services are provided by "unplanned" sectors which are excluded from official financial tables on labor and average monthly salary.

The extent to which "unplanned" sectors are excluded from official financial reports listed above is still a subject of uncertainty. To preserve the inner consistency of official I-O and financial tables, we decided to rely on the financial data on service wages as opposed to the service wage data contained in large I-O tables.

Value of goods produced in material production sectors is aggregated along vector 1.3. A summary row in Quadrant I stands for total outlays on material inputs that are included in the total price of goods.

In official and NEB formats, depreciation is not part of value added since it is excluded from NMP. For profit-making sectors, depreciation is estimated as deductions for replacement and repair of fixed capital deposited on special banking accounts plus the residual value of scrapped capital which was not fully depreciated before retirement. This value, which is referred to in Soviet national accounts as unamortized writeoffs, is subtracted from total profit in quadrant III. Depreciation in state budgetary and private housing sectors is estimated separately by Goskomstat officials using average replacement and capital repair rates.

Three summary rows in Quadrant III contain data on national income generated in material production sectors, total domestic output and supplies of goods produced in these sectors and imported from other FSU economies and from abroad. National income is the sum of labor and non-labor income earned by state-cooperative, collective farms and private units.

Total labor income consists of: regular and bonus wages, other earnings (compensations for business trips plus other wages paid in addition to regular wages), payments received by collective farmers, and net income of private producers. Regular wages and other earnings are entered enterprise accounts as part of the total production cost, while bonus wages are paid from profit.

The sum of regular, bonus and other wages equal total wages estimated by Goskomstat for the purpose of determining comparative average annual and monthly wage rates by sector. Bonus wages are also paid in education, culture and health sectors, even though these sectors do not earn profit. For methodological reasons unknown to IDS, Goskomstat excludes bonus wages paid in these sectors from estimates of total and average wages.

Non-labor income consists of:

- o social security deductions made by all enterprises and organizations,**
- o total profit (including state taxes, interest payments made by enterprises, and purchases of housing and socio-cultural services for employees and their families),**
- o turnover taxes less net agricultural subsidies,**
- o non-labor income of collective farms,**
- o unamortized writeoffs (with a minus sign), and**
- o other income treated as part of production cost and hence excluded from total profit³.**

Total supply of goods equals total domestic output plus imports. Total domestic output exceeds prices charged by producers (this output is often referred to as the gross value of output--GVO) by the sum of a) the turnover tax less net subsidies and b) transportation and communications (T&C) plus trade and distribution (T&D) charges. All imports are measured in domestic prices registered during the purchase transaction.

National income estimated in official I-O tables is smaller than total NMP estimated in official national income tables by the amount of total revenues from foreign trade. These revenues are estimated as the sum of foreign trade tariffs and net exports. Foreign trade tariffs equal imports minus exports each expressed in domestic prices. Net exports are estimated in official national income tables as net foreign currency earnings from commodity trade measured in domestic prices. According to the NEB methodology, the coefficient for converting net exports to domestic prices is assumed to equal the ratio between exports in domestic and foreign trade prices, when exports exceed imports both measured (annually) in foreign trade prices. The import conversion coefficient is used in years when imports exceed exports both measured in foreign trade prices. For this study, it was decided not to follow the NEB methodology of estimating conversion coefficients for individual FSU economies and instead used data on net exports in foreign trade prices.⁴

Uses of goods are aggregated along vector 1.2. The summary column in Quadrant I contains data on total interindustry purchases of intermediate goods supplied by material production sectors. The summary column for Quadrant II contains data on total uses comprising:

- o total interindustry purchases,**
- o purchases of goods for current consumption by households and "non-material" services,**
- o net fixed investment (new fixed investment less depreciation and unfinished construction),**
- o depreciated fixed capital,**
- o additions to working capital (inventories, reserves and unfinished construction),**

³Interest payments made by trade organizations, purchases of research services, deductions on oil-gas and other geological exploration works, deductions for road construction made by transportation organizations, and payments to militarized industrial guards.

⁴This section and other aspects of how foreign trade should be reported in I-O tables is currently under review. The main issues concern treatment of so-called foreign trade differentials, and whether such differentials should also be applied to inter-republic trade (which is included indistinguishably with extra-Union trade in I-O tables for republics (but not for the USSR as a whole).

- o losses⁵,
- o exports estimated in domestic prices, and
- o other expenditures of national income (derived as a residual after subtracting all end uses known to Goskomstat from national income),

Since total supply and total uses are balanced, a summary column must be identical to a summary row. In theory, the balance is achieved through adjustments in the other expenditure column. However, republic-level Goskomstat's offices had little confidence in their estimates for this column, as suggested by the absence of this column from most of their I-O tables.

NEB Format: Tier II

The NEB format serves essentially two purposes: It facilitates conversion from official to SNA format, and identification/correction of major errors in the coverage of material production sectors as given in official I-O tables. Compared to official I-O tables, these tables prepared according to the NEB format add for business trips (row 25), other wages (row 26), business services financed from total profit (row 32), business services financed from other non-labor income (row 36), other net non-labor income (row 37), foreign trade revenues (row 41); plus columns for nine "non-material" services (columns 21 through 31) and the annual addition to unfinished construction (column 36). In addition, Quadrant IV contains estimates of value added in "non-material" services, other ("unplanned") sectors (column 33), control totals for components of value added in all sectors of the economy (a summary column 41), as well as a memo item on total state wages (row 46).

In an attempt to test the inner consistency of the official Goskomstat data on wages, we compared the official I-O and financial data on wages and concluded that:

1. Agricultural and industrial guard services are excluded from official I-O estimates of the GVO for agriculture and other production sectors. For FSU, the output of these services amounted to 2.5 and 2.7 billion rubles respectively. Agricultural services were found to be excluded from ten out of fifteen FSU economies' I-O tables, while industrial guards were excluded from all FSU economies' I-O tables. Since both agricultural and guards services are "material"-type, the net output of these services increase NMP as well as total uses of the industrial and agricultural output. For this reason, IDS found it necessary to increase intermediate purchases of other production services as well as purchases of the agricultural output by the state administration sector.

2. Wages of the industrial administration sector (1.0 billion rubles), are treated as part of total industrial wages. At the same time, in 1987 financial tables, the same sector is aggregated with state administration. In order to avoid double counting, total GVO of state administration was initially adjusted downward by 1.2 billion rubles. Afterward, the same GVO was adjusted

⁵Retail trade writeoffs from sales of low quality industrial goods below wholesale price, harvested agricultural goods and livestock that perish due to natural disasters, and the value of abandoned construction sites—primarily oil and gas fields.

upward by 1.6 billion rubles to account for "unplanned" party and other political organizations which are excluded from both I-O and financial tables. This adjustment was based on the assumption that the sum of household membership dues and state budgetary outlays on state administration services was approximately the same in size as the GVO of these services.

3. Wages in the remaining "unplanned" sectors (18.1 billion rubles, primarily defense and police organizations) were derived in column 33 as the difference between control totals for the entire economy (287.3 billion rubles, column 41) and the sum of wages in "planned" production (195.5 billion rubles, column 20) and service (70.6 billion rubles, column 32) sectors. Total wages of national security sectors amounted to 19.6 billion rubles ($18.1 + 1.3 + 0.2$), of which wages received by the military and police accounted for around 10 billion rubles according to unpublished Goskomstat data. What state sectors paid the remaining 9.6 billion rubles in wages remains unclear. But no matter which sectors paid these wages, the end result of the necessary adjustments in official I-O flows would be the same: NMP must be revised upward which causes other expenditures to increase by the same amount.

FSU data on business trips, business services (except for purchases of "non-material" transport and research services) and other income of "planned" sectors were all extracted from unpublished Goskomstat materials. The latter were in turn compiled from detailed production reports submitted by enterprises as well as from various sets of financial statistics collected by the FSU Finance Ministry. Business trips account for around 1.1-1.2 percent of regular wages. Allocations from total profit consist of: 1) housing subsidies, 2) subsidies to socio-cultural sectors--professional schools, cultural and sporting events, resorts and children facilities, and 3) interest payments. Each of these three allocations accounted for 2-3 percent of total profit. In trade and distribution (T&D) sectors, where interest payments regularly accounted for as much as 40 percent of total profit, these payments were treated as part of production cost and hence were included in other income in official I-O tables.

In the absence of data on purchases of "non-material" transport, it was assumed that these purchases can be derived as follows: The official table *Everyday services* contains data on total such purchases made by both households and enterprises, while the official table *Household monetary incomes and outlays* contains data on the same purchases made by households. Data on enterprises were thus derived by comparing the two tables. The derived data were then distributed among sectors in proportion to compensations for business trips. Total payments for research made by production sectors and for communications services made by "non-material" sectors were estimated as residuals after accounting for all known elements of other income by sector. The FSU data were then applied to individual FSU economies in proportion to wages, profit and other income.

It appears that compilers in some FSU economies balanced supply and uses by adjusting "other income" downward. For example, Ukraine's Goskomstat seems to have reduced other income in machinery sectors by 1.5 billion rubles without apparent reason. Similarly, the Latvian Goskomstat reduced other income in the power sector by .05 billion rubles. In both cases, adjustments resulted in the negative amount of other income, which is difficult to accept

given the fact that other income consists of net revenues and payments for services. Therefore, IDS decided to reverse these official adjustments, which resulted in an increase in GVO, NMP and other expenditures.

Foreign trade tariffs by sector (row 41) were estimated by subtracting exports (column 40) from imports (row 44). As in official national income tables, estimates for foreign currency earnings in foreign trade prices were entered as revenues of T&D sectors (intersection of column 18 and row 41). For some FSU economies, this procedure for recording net exports on the production side caused the size of total output of T&D to become negative.

SNA Format: Tier III

A number of steps were involved in converting I-O tables from the NEB into SNA format. After making some presentational changes to the I-O format, we introduced selected sets of new data and made certain adjustments; finally, the I-O structure was completed by deriving key residuals. The first priority for future work, with national compilers, will be to consider the reasonableness of the residuals, and in deciding whether additional sets of new data and adjustments are necessary.

Presentational

1. Rows and columns in Quadrant I were expanded to accommodate service and "other" sectors of the economy, whereby a summary row 33 was estimated by adding business purchases of both intermediate goods and services and a summary column 33 was estimated by adding all interindustry uses of the same goods and services. A summary row for outlays on services was derived by adding compensations for business trips and all purchases of business services.
2. Household consumption was divided into purchases and free government services.
3. Data on fixed capital formation were aggregated into one column.
4. Three additional columns were introduced--civilian government, defense and other national security organizations, and net exports.

New Data

5. Income of private producers was increased by unofficial estimates of income from private services.
6. Household purchases were increased by the amount of purchased government and private services. Insurance services were estimated as the balance of payments on insurance policies. Data on all purchased government services were extracted from the official table on household monetary incomes and outlays

7. Data on government purchases of TV and radio broadcasting and government administration services were extracted from the official table on state budget outlays.

8. Government purchases of research services were estimated by adding outlays on civilian science (18 percent of total budget outlays) and geological works.

Adjustments

9. All business purchases were removed from value added. Other earnings of state employees and collective farmers' pay were both reduced by the amount of compensations for business trips. Net profit and other income of state-cooperative enterprises and non-labor income of collective farmers were reduced by purchases of business services.

10. Purchases of food and uniforms by defense and other national security organizations (4.8 billion rubles for the FSU) were removed from household purchases and added to the "other" column.

11. State budget purchases of agricultural and road administration services were added to government purchases in Quadrant II.

Key Residuals

12. Unamortized writeoffs were increased by losses, which were removed from end uses, to account for total losses of national income. In this way, it was possible to balance two independent estimates of GNP by sector of origin and end use.

13. Free education, culture and health services financed from the state budget were estimated as a residual after subtracting purchases made by enterprises and households from total supply of these services.

14. Government purchases of urban municipal services were estimated as a residual after accounting for all other purchases of housing-communal services.

15. Data on national security organizations' purchases of transport, communications, research and space services were derived as residuals after accounting for all known purchases of these services.

16. Net exports were increased by the amount of net factor services. Published CIA dollar estimates for these services for the FSU were converted to foreign trade prices using the official exchange rate. The total for net factor services for the FSU were distributed among FSU economies in proportion to the total domestic output of these services.

Conclusions

Official I-O tables contain estimates of NMP ("NMP 1") which excludes all foreign trade revenues that amounted to 55.3 billion rubles for the FSU in 1987. Goskomstat makes separate estimates of these revenues for FSU economies on the basis of the derived NMP 1 data. Total NMP equals the sum of "NMP 1" and foreign trade revenues. Per capita estimates are derived as the ratio between total aggregates - NMP or GNP - and total population in each FSU economy.

In NMP-type accounts, FSU economies with the highest per capita income are Russia, Belarus, Latvia and Estonia, while FSU economies with the lowest income are Uzbekistan and Tadjikistan. The ratio between per capita income in the richest and poorest FSU economies - Russia and Tadjikistan - was 2.79. In GNP-type accounts, this ratio increases to 3.06. Several other dramatic differences exist in the two estimates of FSU economies' relative standing. In NMP accounts, per capita income in Belarus and Lithuania was above the FSU average by 17 and 7 percent respectively. In GNP-type accounts, per capita income for these FSU economies drops to 10 and 23 percent below the FSU average. Using the NMP-type accounts, the output of the Russian economy was estimated as 61 percent of the total FSU output. Using GNP-type accounts, the ratio increases to 65 percent.

The GNP estimates derived in this exercise (column 42, row 33 in Tier III) differ from those compiled by national compilers, across-the-board because this report includes (in column 41 and in row 38) an imputation for valuing inter-republic trade at Foreign Trade (FT) rather than internal prices, in keeping with the valuation of extra-republic trade. In addition, but not systematically, these estimates are thought to differ from those reported by FSU economies mainly because we have followed a uniform, and cross-checked, approach to estimating the contribution of "other" activities (military, etc.); it appears likely that the estimates for some economies (e.g., Georgia) also differ from those given here because national accountants adopted a non-standard approach to revaluation of extra-republic trade (from internal to FT prices). However, such assumptions are based on circumstantial evidence and more definitive statements will have to wait until national compilers have had an opportunity to comment on this paper.

Appendix A: Foreign Trade

Background

FSU foreign trade (FT) activities were normally reported in ruble terms, valued both in internal and foreign or FT prices, but not in foreign currency (e.g., US dollar) terms. The correct conversion factor for moving from rubles to dollars thus depends on whether the initial ruble figure is valued in internal or FT terms.⁶ However, the main issue for this paper is the relationship between the two systems for reporting in ruble terms, and how they enter I-O and other datasets.

Transactions between foreign trade organizations (FTOs) and internal suppliers were registered at internal prices; transactions between FTOs and the monetary authority (V-Bank) were at FT prices. Internal prices on exports cover the cost of producing and delivering exported goods; on imports they are equivalent to wholesale and retail prices on foreign goods at which they are purchased by internal buyers.⁷ Exports and imports in foreign currency are valued in prices agreed by FTOs with foreign suppliers, but only the monetary authority was permitted to handle the foreign currency; FT prices represent the rubles received by FTOs for exports, or paid by them for imports, vis-a-vis the monetary authority.

Hence, the system of dual ruble pricing⁸ is an accounting artifice for dealing with the inconvertibility of internal ruble into foreign currency--and systematic disparities between price levels and structures envisaged in central plans and those prevailing on world markets. Each cross-border transaction was recorded first in foreign currency (with other currencies converted to dollars at prevailing exchange rates, for statistical purposes) and then at both internal and FT prices.

Conceptually, sums in foreign currency terms (e.g., dollars), internal rubles, and FT rubles are available. However, until 1990 trade was reported primarily in FT prices; most data on exports and imports in internal prices were considered confidential. Since then, all FT data, except in the defense area, have been de-classified although reporting of actual foreign currency values has yet to begin, probably more for technical reasons (information systems may not have been set up to aggregate details in this dimension). However, so little written documentation exists on underlying sources and methods that considerable uncertainties remain, even among experts, on how to interpret the available data.

⁶Broadly speaking, the official rate makes sense for converting values at internal prices while something like the commercial rate makes sense for converting values at FT prices (although the commercial rate formally came into existence only in late 1990--and then at a level that may have been more heavily depreciated than in fact corresponds to the difference inherent in the dual pricing system.

⁷It is assumed that this generally included turnover taxes (less consumer subsidies). Hence, the protection or extent of multiple exchange rate practice is probably less than is suggested by comparisons of values at internal and FT prices, for consumer goods, etc.

⁸Based on more detailed information available for other historically planned economies, the array of pricing options was probably even more extensive, with the price of each good recorded at key points in its physical movement from producer to final purchaser, in order to monitor transportation and distribution margins, or the "take" of the relevant government monopolies.

In FSU national accounts, FT activities are registered in internal prices following production, national income and financial methods. Hence, there is a fundamental difference between the values reported in some detail as foreign trade, and the very summary series, net exports, commonly given in national accounts. Further complicating superficial comparisons, net exports are often combined with errors and omissions, in FSU national accounts.

The production method, which is used in preparing I-O tables, is designed for estimating total supply and uses of goods. Total imports equal the difference between total supply and internal output, and total exports equal the difference between total and internal uses. Total imports and exports are derived by adding the value of all imported and exported individual goods aggregated into sectors of output that match the production classification.

The national income method, which is used for estimating NMP and gross material product, is designed for deriving total FT income as the sum of FT tariffs and net exports. This sum in effect equals net revenues made by FTOs from dealing with internal and foreign suppliers respectively on behalf of the FSU government. It must be emphasized that FT income is in reality generated by the FSU government by means of price differentials, i.e., the net difference between trade valued at internal and FT prices. In this respect, it should not be confused with income earned by FTOs in return for performed trade services, i.e., the normal return for performing wholesale/retail trade, transportation, or similar distribution services. Wages, profit and other elements of value added in the FTO sector are aggregated in I-O and other NEB tables with value added in the internal trade and distribution sector. It is generally assumed that the output of the FTO sector is distributed evenly between import and export operations. This justifies estimating FT tariffs as total imports minus total exports in internal prices because GVO of foreign trade organizations is relatively small, it assumed that trade markup included in prices on exports and imports cancel each other in estimating foreign trade revenues as $Md - Xd$.

Total net exports were estimated for FSU as net foreign currency earnings converted to internal prices using a general conversion coefficient (GCC). The GCC is assumed to equal the ratio between exports in internal and FT prices during those years when total exports exceed total imports both measured in FT prices. The import-side is used to derive the GCC when total imports exceed total exports, both measured in foreign trade prices. We allocated total net exports among FSU economies in proportion to their NMP estimated without FT income.

The justification for estimating FT tariffs as imports minus exports in internal prices was as follows:

$$\begin{aligned} \text{FT income} &= (Md - Mf) + (Xf - Xd) = (Md - Xd) + (Xf - Mf)*m, \text{ if } Mf > Xf \\ &= (Md - Xd) + (Xf - Mf)*x, \text{ if } Xf > Mf, \end{aligned}$$

where M and X stand for total imports and exports, d and f for internal and FT prices, and m and x for import and export conversion coefficient ($m = Md/Mf$ and $x = Xd/Xf$).

In keeping with usual FSU practice, official I-O tables record exports and imports at internal prices. This can be seen by comparing figures in the "Tier III" I-O table for the FSU with those in Chart A1, below. In the 1987 I-O table, total exports (column 43, row 33) are 44.35 billion rubles, which is repeated in Chart A1 under extra-republic trade, in the subset labeled "D.P." for domestic or internal prices; with a similar equivalence for imports (I-O column 33, row 51).

These entries exclude the foreign trade price differential on FSU trade with the rest of the world, or the difference between the FSU's resource balance at FT and internal prices. However, the I-O total for net exports, 10.21 billion rubles, comprises the net of the two items already discussed (7.70 billion rubles, in column 41, row 20) plus a net for nonmaterial services (2.51 billion rubles in column 41, row 31), valued at FT prices. Hence, the net of the I-O's export column (43) and import row (51), suggests an import surplus of 50.38 billion rubles, while the entry in the net export column (41) suggests an export surplus of 7.70 billion rubles because of the difference in valuation.

Note that there is no counterpart to column 41 in the official or NEB "tiers" of I-O tables. In effect, this column moves valuation of foreign trade from internal to FT prices; row 48, captioned "net foreign trade," restores overall balance by recognizing that the valuation of total output should have been correspondingly higher, by the difference between net exports at internal prices and excluded nonmaterial services (-50.38 billion rubles) and at FT prices after allowing for nonmaterial services (+10.21 billion rubles).

In a round-about way, this is equivalent to revaluing the export column (43) and import row (51) from internal to FT prices. The fact that the official exchange rate and the entire internal price mechanism have not been driven by market forces makes it difficult to account for real net exports in estimating GNP for the FSU as a whole, based on these estimates. Further complicating matters, fundamentally different measures obtain depending on the treatment of inter-republic trade.

Resource balance for individual FSU economies

Trade among the 15 FSU economies was significantly larger than their collective trade with the rest of the world; how much larger depends on which economy is considered (some had little direct trade with the rest of the world) and whether internal or FT prices are used. The valuation issues is of even greater analytical significance, however, in measuring the resource balance (exports minus imports of goods and nonfactor services).

Since each FSU economy is now a separate nation, each should classify trade with the others as transactions with nonresidents. Until late 1991, the same transactions were among residents of the same nation and therefore not, strictly speaking, imports and exports. However, the 1987 I-O tables for individual FSU economies were constructed as if each had been a separate nation, meaning that exports and imports refer to totals comprising transactions with the other 14 FSU economies as well as the rest of the world. Depending on whether the

objective is to account for actual conditions in 1987 or provide a starting point for analysis of the individual economies that emerged from the FSU by 1991, one might prefer to define trade inclusive or exclusive of inter-republic transactions, in the 1987 I-O tables.

The previous section explained the link between the Chart A1's entries under extra-republic trade and the I-O tables, for the FSU as a whole. There, the narrower concept of exports and imports, exclusive of trade among the 15 is used. But the export column (43) and import row (51) in I-O tables for individual FSU economies refer to total trade, covering inter-republic as well as extra-republic accounts. No disparity arises in measuring the resource balance for the FSU as a whole since inter-republic exports and imports are necessarily equal. And it seems clear that the measure of net export for column 41 should reflect FT rather than internal prices.

However, there is room for discussion about the apportionment of the foreign trade price differentials (FTDs, difference between trade at internal and FT prices), particularly when it is recognized that extra-republic trade "booked" to one FSU economy in the available accounts may well have depended primarily on inputs from another FSU economy, which means that the FTDs would more logically accrue to the originating economy rather than the one finally trading with the rest of the world. This is a specialized case of trying to apportion accounts of Union-wide enterprises/units among economies. While the underlying issue of repricing needs to be considered in much greater depth,⁹ an immediate issue is whether it is reasonable to revalue extra-republic trade, from internal to FT prices, while leaving inter-republic trade at internal prices. This means that an intermediary able to acquire nearly finished exportables from another FSU economy at internal prices and selling them abroad at much higher FT prices, after minimal transformation, would appear to have large profits; with corresponding losses or reduced profit accruing to industries that do minimal processing of imports from outside the FSU that are destined for other FSU economies.

The analytical significance of this issue lies in the way national accounts will relate productive activities with domestic absorption of resources, with the resource balance being the difference. To gauge the importance of the issue, one need only look at the difference between net values of inter-republic trade as reported in Chart A1. This shows not only the neutrality of the issue for the FSU as a whole but the massive swing from net importer to net exporter, inter-republic, for Russia (with a surprisingly similar outcome for Azerbaijan); while most other FSU economies are then shown to be net importers rather than net exporters. Considering root causes, like the extraordinarily low price at which oil was booked in inter-republic trade, and the steady moves towards world prices particularly by Russia, it may be that creation of a notional FTO handling inter-republic trade, much as actual FTOs intermediated between internal and FT prices, would provide a more meaningful historical reference point than strict conformity to the criteria that "actual" purchasers' values are to be recorded.

⁹Such issues are being approached more generally in the context of an inter-economy I-O framework being developed for IECSE by Jeff Hewings and Philip Israelovich of the University of Illinois, etc.

Overall, then, there exist five possible ways of accounting for republics' FT income:

- 1) follow the official Goskomstat practice, allocating total FT income in internal prices among republics in proportion to NMP;
- 2) adjust the official practice by allocating the total FT income in internal prices among republics in proportion to GNP (estimated without FT income);
- 3) estimate FT net tariffs for each FSU economy (based on special Goskomstat reports prepared for 1987-90) and convert net exports (extrarepublic trade) from FT prices to internal prices using export and import conversion coefficients derived for each republic;
- 4) combine data on republics' FT tariffs with estimates of net exports from extrarepublic trade in FT prices, or
- 5) estimate republics' FT tariffs and to use estimates of net exports from total trade in FT prices.

Data presented in Charts A1, A2 and A3 below make it possible to employ each of the above five methods. Republics' total trade in FT prices was estimated by Goskomstat by adding extrarepublic and interrepublic trade in FT prices. While data on extrarepublic trade in FT prices were regularly collected by Goskomstat, special effort was made to convert data on interrepublic trade into FT prices using various international comparison techniques based on applying export conversion coefficients to the output of 110 i-o sectors. It is known that these coefficients were derived by comparing the value of total exports in foreign trade and internal prices. Further research must determine whether for the purpose of preserving some historical continuity it would be more precise to use data on total trade with capitalist countries for estimating appropriate export conversion coefficients before the breakdown of the USSR in 1992.

In preparing 1987 I-O tables, IDS decided to use the fifth method as the most appropriate for comparing republics' FT activities in 1987 and 1990. As evident from Charts A1, A2 and A3, Russia was the only net exporter in FT prices among republics in 1987-1990.

So far the discussion focused on merchandise trade balance. The financial method, which is used in compiling state budgetary data, is designed to measure the total balance of payments or the current account balance, including payments which are not connected with merchandise trade activities. The total balance of payments consists of net state budgetary revenues from foreign transactions plus the balance of credit payments. The state budget collects revenues when $Md > Mf$ and $Xf > Xd$. The state budget subsidizes foreign economic transactions when $Md < Mf$ and $Xf < Xd$.

USSR state budgetary revenues from foreign transactions grew from 69.3 to 75.2 billion rubles between 1987 and 1990. Total budget outlays on foreign trade grew from 24.6 to 28.5 billion rubles. Thus, net budgetary revenues increased from 44.7 to 46.7 billion rubles. In

comparison, USSR FT tariffs increased from 50.4 to 68.5 billion rubles, while net merchandise exports in FT rubles decreased from 7.7 to -8.4 billion or from 5 to -14 billion rubles. It is difficult to compare estimates that result from using national income and financial methods for three reasons: a) it remains unclear how the current account balance is exactly accounted for in state budgetary statistics, b) official estimates of factor services have never been published, and c) revenues from some exports (particularly shipments of armaments to Third World countries) do not increase state budgetary revenues because of delinquent debts on loans. As evident from published state budgetary statistics, outlays on foreign trade consist of subsidies to FT organizations (when $X_f < X_d$), foreign aid and servicing the foreign debt, which amounted to 10.8, 12.5 and 5.3 billion rubles in 1989 (*Izvestiya*, Sept. 26, 1989, p. 5).

Assuming that foreign aid amounted to 11.5 billion rubles in 1987, then current account balance in internal rubles can be approximately estimated as 55.2 (44.7+11.5) billion rubles which exceeds FT tariffs by the amount of net merchandise exports--5 billion rubles. There are three possibilities: 1) net export of factor services were not entered in USSR state budgetary accounts, 2) foreign aid in 1987 was larger than in 1989 than in 1987, or 3) net factor services were close to zero in 1987. The last possibility seems most likely.

According to CIA estimates presented in Chart A4 below, the USSR merchandise trade balance, net interest payments and net export of factor services all payable in hard currency amounted to \$6164, -\$2148 and \$1100 million respectively with the total balance of \$5116 in 1987. If one applies the official exchange dollar-ruble rate of 0.65, then the total balance payable in hard currency was 3325 million in FT rubles. As estimated by CIA, the annual increase in net debt in hard currency increased in 1987 from 20.9 to 26.4 million dollars (see Chart A5). Both sets of CIA data were listed in the joint CIA/DIA report "The FSU Economy Stumbles Badly in 1989" submitted to the Joint Economic Committee of the U.S. Congress, 20 April 1989.

Chart A1: Republics' Commodity Trade in Domestic and Foreign Trade Prices in 1987

(millions of current rubles)

	Total Trade						Interrepublic Trade						Extrarepublic Trade					
	Import	Export	Net	Export	Import	Net	Import	Export	Net	Export	Import	Net	Import	Export	Net	Export	Import	Net
	D. P.	D. P.	D. P.	F.P.	F.P.	F.P.	D. P.	D. P.	D. P.	F.P.	F.P.	F.P.	D. P.	D. P.	D. P.	F.P.	F.P.	F.P.
USSR	276352	225971	50381	246137	238433	7704	181621	181621	0	177695	177695	0	94731	44350	50381	68442	60739	7703
Russia	131471	102711	28760	140543	99259	41284	67207	70855	-3648	85149	56682	28467	64264	31856	32408	55394	42577	12817
Ukraine	50179	43998	6181	43956	49374	-5418	36168	37729	-1561	36409	40296	-3887	14011	6269	7742	7547	9078	-1531
Belorus	17707	18864	-1157	16469	18961	-2492	14083	17228	-3145	14489	16735	-2246	3624	1636	1988	1980	2226	-246
Uzbekistan	12974	8974	4000	6959	11321	-4362	11374	7458	3916	6094	10586	-4492	1600	1516	84	865	735	130
Kazakhstan	16352	8811	7541	8494	16147	-7653	13768	8337	5431	8014	14599	-6585	2584	474	2110	480	1548	-1068
Georgia	6069	5744	325	3515	5286	-1771	4810	5387	-577	3128	4663	-1535	1259	357	902	387	623	-236
Azerbaijan	5554	6763	-1209	5113	5161	-48	4251	6291	-2040	4796	4585	211	1303	472	831	317	576	-259
Lithuania	6968	5870	1098	4326	7861	-3535	5859	5458	401	3835	7141	-3306	1109	412	697	491	720	-229
Moldova	5915	5627	288	3185	5055	-1870	4766	5399	-633	2964	4425	-1461	1149	228	921	221	630	-409
Latvia	5593	4693	900	3550	5271	-1721	4626	4312	314	3275	4682	-1407	967	381	586	275	589	-314
Kyrgyzstan	3490	2324	1166	1519	2924	-1405	2780	2269	511	1483	2453	-970	710	55	655	36	471	-435
Tadjikistan	3451	2264	1187	1558	2867	-1309	3077	1970	1107	1351	2717	-1366	374	294	80	207	150	57
Armenia	4071	3937	134	2486	3025	-539	3282	3870	-588	2443	2708	-265	789	67	722	43	317	-274
Turmenistan	2925	2447	478	2500	2605	-105	2597	2327	270	2446	2474	-28	328	120	208	54	131	-77
Estonia	3633	2944	689	1964	3316	-1352	2973	2731	242	1819	2948	-1129	660	213	447	145	368	-223

Chart A2: Republics' Commodity Trade in Domestic and Foreign Trade Prices in 1990

(millions of current rubles)

	Total Trade						Interrepublic Trade						Extrarepublic Trade					
	Import	Export	Net	Export	Import	Net	Import	Export	Net	Export	Import	Net	Import	Export	Net	Export	Import	Net
	D. P.	D. P.	D. P.	F.P.	F.P.	F.P.	D. P.	D. P.	D. P.	F.P.	F.P.	F.P.	D. P.	D. P.	D. P.	F.P.	F.P.	F.P.
USSR	302642	234178	68464	242732	251132	-8400	188545	188545	0	182335	182335	0	114097	45633	68464	60397	68797	-8400
Russia	142563	106795	35768	132917	103089	29828	67283	74710	-7427	86449	56583	29866	75280	32085	43195	46468	46506	-38
Ukraine	54060	45606	8454	43797	51769	-7972	38989	38319	670	35968	42468	-6500	15071	7287	7784	7829	9301	-1472
Belorus	19766	18995	771	18053	20332	-2279	14841	17225	-2384	16043	17259	-1216	4925	1770	3155	2010	3073	-1063
Uzbekistan	14662	9352	5310	7702	12289	-4587	11864	8169	3695	6889	10993	-4104	2798	1183	1615	813	1396	-483
Kazakhstan	17830	9349	8481	9489	16470	-6981	14314	8443	5871	8450	14570	-6120	3516	906	2610	1039	1900	-861
Georgia	6839	5983	856	3153	5366	-2213	4948	5724	-776	2852	4464	-1612	1891	259	1632	301	902	-601
Azerbaijan	5752	6430	-678	4999	5134	-135	4247	6105	-1858	4576	4308	268	1505	325	1180	423	826	-403
Lithuania	7638	5763	1875	4552	8071	-3519	6022	5349	673	4155	7169	-3014	1616	414	1202	397	902	-505
Moldova	6462	6176	286	2941	5784	-2843	4992	5853	-861	2704	4947	-2243	1470	323	1147	237	837	-600
Latvia	6327	5283	1044	4117	5833	-1716	4711	5028	-317	3939	4873	-934	1616	255	1361	178	960	-782
Kyrgyzstan	4242	2499	1743	2006	3669	-1663	3179	2446	733	1954	2910	-956	1063	53	1010	52	759	-707
Tadjikistan	4126	2685	1441	1999	3465	-1466	3359	2377	982	1643	3082	-1439	767	308	459	356	383	-27
Armenia	4868	3523	1345	2053	3655	-1602	3715	3428	287	1989	3155	-1166	1153	95	1058	64	500	-436
Turmenistan	3608	2641	967	2887	2744	143	2923	2469	454	2773	2438	335	685	172	513	114	306	-192
Estonia	3899	3098	801	2067	3462	-1395	3158	2900	258	1951	3116	-1165	741	198	543	116	346	-230

Chart A3: Comparison of Republics' 1987 and 1990 Export and Import Conversion Coefficients

	Total Trade				Interrepublic Trade				Extrarepublic Trade			
	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import	Export	Import
	1987	1987	1990	1990	1987	1987	1990	1990	1987	1987	1990	1990
USSR	0.92	1.16	0.96	1.21	1.02	1.02	1.03	1.03	0.65	1.56	0.76	1.66
Russia	0.73	1.32	0.80	1.38	0.83	1.19	0.86	1.19	0.58	1.51	0.69	1.62
Ukraine	1.00	1.02	1.04	1.04	1.04	0.90	1.07	0.92	0.83	1.54	0.93	1.62
Belorus	1.15	0.93	1.05	0.97	1.19	0.84	1.07	0.86	0.83	1.63	0.88	1.60
Uzbekistan	1.29	1.15	1.21	1.19	1.22	1.07	1.19	1.08	1.75	2.18	1.46	2.16
Kazakhstan	1.04	1.01	0.99	1.08	1.04	0.94	1.00	0.98	0.99	1.67	0.87	1.85
Georgia	1.63	1.15	1.90	1.27	1.72	1.03	2.01	1.11	0.92	2.02	0.86	2.10
Azerbaijan	1.32	1.08	1.29	1.12	1.31	0.93	1.33	0.99	1.49	2.26	0.77	1.82
Lithuania	1.36	0.89	1.27	0.95	1.42	0.82	1.29	0.84	0.84	1.54	1.04	1.79
Moldova	1.77	1.17	2.10	1.12	1.82	1.08	2.16	1.01	1.03	1.82	1.36	1.76
Latvia	1.32	1.06	1.28	1.08	1.32	0.99	1.28	0.97	1.39	1.64	1.43	1.68
Kyrgyzstan	1.53	1.19	1.25	1.16	1.53	1.13	1.25	1.09	1.53	1.51	1.02	1.40
Tadjikistan	1.45	1.20	1.34	1.19	1.46	1.13	1.45	1.09	1.42	2.49	0.87	2.00
Armenia	1.58	1.35	1.72	1.33	1.58	1.21	1.72	1.18	1.56	2.49	1.48	2.31
Turmenistan	0.98	1.12	0.91	1.31	0.95	1.05	0.89	1.20	2.22	2.50	1.51	2.24
Estonia	1.50	1.10	1.50	1.13	1.50	1.01	1.49	1.01	1.47	1.79	1.71	2.14

Chart A4: Unclassified CIA Data on USSR Hard Currency Balance of Payments

(million U.S. dollars)

	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Current account balance	-4565	1470	-387	4293	4760	4664	137	1383	5116	1172	-3243
Merchandise trade balance	-4804	1814	365	4468	4712	4727	519	2013	6164	2647	-1400
Exports f.o.b.	9453	27874	28254	31975	32429	32173	26400	25111	29092	31145	33600
Imports f.o.b.	14257	26060	27889	27507	27717	27446	25881	23098	22928	28518	35000
Net interest	-521	-1234	-1752	-1275	-1052	-1163	-1482	-1730	-2148	-2575	-2993
Other invisibles and transfers	760	890	1000	1100	1100	1100	1100	1100	1100	1100	1150
Capital account balance	6981	284	3430	-2965	-1541	-124	1869	1794	-738	1378	4348
Change in gross debt	6786	-792	1977	-640	116	224	6804	6811	5011	1990	4120
Official debt	1492	-280	-1370	967	340	-375	463	391	480	-1240	252
Commercial debt	5294	-512	3347	-1607	-224	599	6340	6420	4532	3230	3867
Net change in assets held in Western banks	-163	-35	-166	2122	277	-664	1787	1595	-527	1119	-505
Estimated exchange rate effect	-22	-411	-1457	-817	-1070	-688	3248	3322	4977	-2205	-1722
Net credits to LDCs	715	950	870	2120	3200	2700	1700	4100	4800	5500	5465
Gold sales	725	1580	2700	1100	750	1000	1800	4000	3500	3802	3665
Net errors and omissions	-2416	-1754	-5043	-1328	-3219	-4540	-2006	-2177	-4378	-2550	-1105

1989 figures preliminary.

Change in gross debt includes additions to short-term debt.

Net errors and omissions includes hard currency assistance to and trade with Communist countries, credits to developed Western countries to finance sales of oil, and other nonspecified hard currency expenditures, as well as errors and omissions in other line items of the accounts.

Chart A5: Unclassified CIA Data on USSR Hard Currency Debt to the West

(million U.S. dollars)

	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Gross debt	12.5	20.5	22.5	21.9	22.0	22.2	29.0	35.8	40.8	42.8	47.0
Commercial debt	8.2	11.0	14.4	12.8	12.6	13.2	19.5	25.9	30.4	33.7	37.6
Government and government-backed debt	4.3	9.5	8.1	9.1	9.4	9.1	9.5	9.9	10.4	9.1	9.4
Assets in Western banks	3.8	10.0	9.8	11.9	12.2	11.5	13.3	14.9	14.4	15.3	15.0
Net debt	8.7	10.6	12.7	10.0	9.8	10.7	15.7	20.9	26.4	27.3	32.0

1988 and 1989 figures preliminary.

Estimates of government-backed and commercial debt are measured in current dollars and reflect fluctuations in exchange rates. Commercial debt also includes estimates for promissory notes held outside banks.

Appendix B: Labor Income

1. Published Sectors

In FSU national accounts, labor income--total wages, compensation for business trips (CBT) and net income of individual producers--is estimated for employees of state-cooperative sectors, collective farms and private sectors. It is also estimated for two groups of sectors engaged in production and service activities. Total wages are estimated by adding a) regular wages, b) one-time bonuses included in the production cost, c) other types of wages excluded from regular wages, d) CBT, and e) bonus wages paid from the operating profit and the state budget. Official I-O tables include data on (a), so-called "other labor income" (f) which is estimated as (b) plus (c) plus (d), as well as data on net income of individual producers, thus making it possible to estimate total labor income as it is defined in FSU national accounts.

Because CBT is a business expenditure, it is excluded from labor income in estimating GNP. CBT equals the difference between labor income and total wages received by employees of state-cooperative sectors and collective farmers. Household Monetary Income and Outlays (HIO) tables include data on total CBT for USSR and individual republics.¹⁰ The USSR data on CBT by sector were extracted from unofficial Goskomstat tables. To disaggregate these USSR CBT data by sector into republics, the decision was made to use ratios between CBT and (f) for each I-O sector. Thus, total wages (W1) were estimated by adding (a), (b), (c) and (e) for USSR and each republic. The objective of the following discussion is to compare these total wages with those reported in official *Narkhoz* and HIO tables.

Official publications include data on average annual employment (g) and average monthly wages (h) for major state-cooperative sectors and collective farms.¹¹ In *Narkhoz* editions, (h) is defined as the ratio between the sum of (a) and (c) on the one hand and (h)*12 on the other.¹² Thus, wages for state-cooperative sectors listed in *Narkhoz* (W2) can be estimated as $g \cdot h \cdot 12$.¹³ It is difficult to compare W1 and W2 for four reasons. First, $W1 - W2 = (c)$. Second, as was discussed above, special bonus wages paid in education, culture and health sectors are excluded from W2. Third, wages paid by collective farmers to seasonal workers are included in W2 together with state agricultural employees but are excluded from W1. Fourth, W1 are known to include some wages of "unplanned" defense production sectors which are excluded from W2. Despite these four caveats, the decision was still made to compare W1 and W2 for major state-cooperative sectors for each republic (see Chart B1) below.¹⁴

¹⁰CBT is reported in row 2c of the HIO table.

¹¹*Narkhoz* for 1989, pp. 48-49 and 76-77, and *Trud v SSSR*, pp. 77 and 148-149.

¹²*Narkhoz* for 1989, p. 702.

¹³This source reports average monthly wages excluding the forestry, an aggregated group called "other production" and seasonal agricultural workers hired by collective farms. Wage data for forestry are as reported in *Trud v SSSR* while those for seasonal workers were taken from HIO table, row 3c; total wages for other production are taken as a residual.

¹⁴To preserve the format of I-O tables, the *Narkhoz* data were aggregated for a) information and other production sectors and for b) culture and arts.

The comparison indicates that for USSR as a whole W2 exceeded W1 by 954 mr after accounting for seasonal workers (572 mr), by 1362 mr after accounting for special bonuses in service sectors (408 mr) or by 4064 mr after accounting for other wages which are excluded from W2 (2702 mr). The discrepancies between the two sets of data on industry and state administration partially cancel each other due to the fact that industrial administration is treated in I-O tables as part of industry. At the same time, puzzling discrepancies in the coverage of construction, agriculture and so-called "other production sectors" suggests the existence of methodological errors in Goskomstat's compilation of wage statistics.

The analysis of data listed in Table B1 leads to two conclusions: 1) in official publications, wages of other production sectors include construction wages (2.3 billion rubles) and mysterious other sectors' wages (2.5 billion rubles) which are excluded from I-O tables altogether, and 2) wages in the amount of 1.5 billion rubles paid by some agricultural services are excluded from I-O tables as well.¹⁵ These conclusions are corroborated by Goldenberg, a senior Goskomstat expert who was in charge of compiling I-O tables in the 1980s. He claims that agricultural water and industrial guards services have been the only two sectors listed in *Narkhoz* whose output has been excluded from I-O and all other NEB tables.¹⁶ What remains unclear, however, is whether wages of industrial guards comprised as much as 2 billion rubles in 1987 and whether other sectors which report to Goskomstat have been excluded from NEB sectors. In any case, assuming that Goldenberg is correct, total wages of state-cooperative sectors which report to Goskomstat were underestimated in the 1987 I-O table by 4 (1.5+2.5) billion rubles

2. "Unplanned" Sectors

In addition to sectors which report to Goskomstat there are sectors in the USSR economy which are missing from both official publications and I-O tables but which are included in compiling financial tables, including financial tables on the state budget and household monetary incomes and outlays. As opposed to NEB tables, financial tables encompass the entire USSR economy. Furthermore, these tables are known to contain the most complete data on financial flows between public and household sectors which are available to the State Bank, Finance and Economic Ministries and other top FSU government institutions that guard state and party financial secrets. Among these secrets are operating budgets of the USSR Defense Ministry, Ministry of Internal Affairs (MVD), State Committee on Security (KGB), the central apparatus of party and other political organizations as well as unidentified ministries of defense industries.

Goskomstat officials claim at conferences and in private conversations that they attempt to account for wages paid by all defense industries, including those secretive industries which are run by the Atommash (former Ministry of Medium Machine-Building) and the USSR Defense Ministry. Their estimates are supposedly based on comparing the GVO data on secretive

¹⁵Wages of other sectors were estimated by subtracting the agricultural wage gap from the total gap.

¹⁶See Lev Goldenberg, "O Neobkhodimosti Perebalansirovki Mezhotraslevogo Balansa Za 1988 God." An unpublished paper, May 1991, pp. 2-3. The methodological error in compiling wages has supposedly occurred because agricultural water and guards services have been excluded from GVO even though these sectors are registered as part of material production.

defense industries which are received through separate centralized channels with the GVO data on defense industries which submit reports to Goskomstat. Unfortunately, Goskomstat officials avoided details about their procedure for extrapolating wages of secretive defense industries. According to Goldenberg, these wages were estimated as 5.7 billion rubles in 1988. He asserts, however, that after adding 5.7 billion rubles to the total industry wage bill Goskomstat officials made the unintentional error by reducing this total by 9 billion rubles¹⁷ To support his argument, he notes that regular wages paid by those industrial sectors that report to Goskomstat equaled 98.6 billion rubles and that total regular wages in reality equaled 104.3 (98.6+5.7) billion rubles as opposed to 95.3 billion rubles estimated in I-O and other NEB tables.¹⁸

Goldenberg's observations are supported by the admission made by Goskomstat officials in the beginning of 1990 that they had failed to account for around 4.4 million state civilian employees.¹⁹ Given wage estimates derived below, it appears now that these 4.4 million consisted of 3 million employed in secretive defense industries, around 0.9 million civilians employed in the Defense Ministry, KGB, MVD, and around 0.4 million employed in political organizations.

According to the 1989 USSR Defense Ministry data, total military personnel cost (excluding pensions) equaled 9.8 billion rubles, including wages of the military--4.4 billion rubles, civilian employees 2.5 billion rubles and outlays on food and uniforms--3 billion rubles²⁰ Wages remained approximately the same 6.9 billion rubles in 1987-1989.²¹ According to published budgetary statistics, the combined outlays of MVD and KGB equaled 8 billion rubles in 1988.²² Combined MVD and KGB wages equaled around 4 billion rubles. Total wages of national security organizations equaled around 11.4 (6.9+4.5) billion rubles.

¹⁷L. Goldenberg, "Prav li Vol'nyi Ekonomist?", pp. 7-8. A paper submitted to *Eko* for publication. The error in Goskomstat's estimate supposedly took place as a result of subtracting non-industrial wages twice from the total wage bill of industrial enterprises.

¹⁸The amount 98.6 billion rubles was supposedly estimated by adding regular wages of industrial enterprises (97.6 billion rubles), administration (0.1 billion rubles), transportation organizations of industrial enterprises (0.7 billion rubles) and industrial units of agricultural joint ventures (0.2 billion rubles).

¹⁹See *Pravda*, 28 January 1989, p. 1; *Narkhozfor* 1989, pp. 47-48, and N. Zhelnorova, "Statistika Stanovitsya Ob'ektivnoi." *Argumenty i Fakty*, N4 1990, p. 1.

²⁰This was published in *Argumenty i Fakty*, N45, 1990, p. 2.

²¹See D. Steinberg, "Soviet Defense Burden: Estimating Hidden Defense Costs." *Soviet Studies*, Spring 1992.

²²*Ekonomika i Zhizn'*, N15, 1990, p. 7.

Chart B1: Comparison of Financial and Input-Output Data on Total Wages in USSR and Republics in 1987

(million rubles)

Page 2

	MOLDOVA			LATVIA			KYRGYZSTAN			TADZIKISTAN			ARMENIA			TURKMENIA			ESTONIA			USSR		
	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.
1 Total	3183	3199	-33	3106	3039	51	2594	2567	19	2291	2276	8	3165	2980	185	2012	2108	-106	1968	1956	5	288699	287173	954
2 Industry	928	978	-51	1104	1201	-97	701	725	-24	484	512	-28	1227	1228	-1	337	365	-28	705	702	3	101557	102910	-1354
3 Agriculture	643			306			359			277			291			126			184			28593		
4 Forestry	8			12			6			4			9			2			17			821		
5 Agri. & Forestry	651	603	33	318	277	26	365	393	-36	281	304	-32	300	240	60	128	198	-80	200	148	46	29414	27605	1237
6 Transport	267			528			257			245			222			281			203			29998		
7 Communications	35			40			33			27			33			32			22			3375		
8 Transport & Com.	302	240	62	368	297	71	290	190	100	272	185	87	256	210	46	313	230	83	225	233	-8	33372	28092	5280
9 Construction	306	402	-96	341	324	17	296	353	-57	337	376	-39	463	430	33	432	576	-143	236	286	-50	36898	45471	-8573
10 Trade & Distrib.	239	253	-13	238	245	-7	188	172	16	173	147	27	163	138	25	165	132	33	150	173	-23	19308	18700	608
11 Other Production	43	16	27	59	28	31	32	15	17	3	12	-9	45	24	22	27	11	16	49	13	36	4519	1249	3270
12 Housing, etc.	76	76	0	135	135	0	68	68	0	60	60	0	94	94	0	69	69	0	79	79	0	9370	9370	0
13 Health, etc.	166	168	-2	137	138	-1	137	138	-2	130	132	-2	109	110	-2	112	113	-1	86	88	-2	12190	12316	-126
14 Education	301	304	-3	193	194	-2	302	304	-2	366	369	-3	283	285	-2	262	263	-2	125	128	-3	20707	20888	-181
15 Culture	29			28			18			23			28			25			17			2142		
16 Art	10			11			10			10			13			10			9			844		
17 Culture & Art	39	40	-1	39	40	-1	28	29	-1	32	34	-1	42	43	-1	35	36	-1	26	27	-1	2987	3082	-96
18 Science	40	40	0	87	87	0	114	114	0	79	79	0	118	118	0	64	54	10	43	43	0	11398	11398	0
19 Bank	17	17	0	18	18	0	15	15	0	14	14	0	14	14	0	10	10	0	11	11	0	1606	1606	0
20 State Admin.	74	64	11	70	56	14	59	50	9	62	54	8	54	47	7	58	51	7	32	27	5	5375	4486	889

Notes:

NKh—Narodnoe Khozyaistvo SSSR (official labor and average wage statistics)

I-O—Input-Output Table

Discr.—Discrepancy (the difference between NKh and I-O)

* Discrepancy for total and agricultural wages is adjusted to account for seasonal workers who receive wages from collective farms

Chart B1: Comparison of Financial and Input-Output Data on Total Wages in USSR and Republics in 1987

(million rubles)

Page 1

	RUSSIA			UKRAINE			BELARUS			UZBEKISTAN			KAZAKHSTAN			GEORGIA			AZERBAIJAN			LITHUANIA		
	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.
1 Total Wages*	175733	175212	230	45994	44587	1308	9863	9772	40	10255	10773	-547	15751	16033	-288	4738	4355	382	4209	4187	5	3919	3964	-58
2 Industry	63471	63699	-229	19071	19199	-128	3761	3855	-94	2242	2182	60	3805	3855	-51	1266	1265	0	1030	1185	-155	1424	1408	16
3 Agriculture	15891			3148			1148			1637			3384			528			527			380		
4 Forestry	528			110			47			10			24			22			6			13		
5 Agri. & Forestry*	16419	15062	1066	3258	2971	188	1195	957	187	1647	1822	-205	3408	3330	72	550	474	76	533	553	-37	393	310	70
6 Transport	18553			4425			880			940			2066			461			439			345		
7 Communications	2081			526			117			100			177			50			50			46		
8 Transport & Com.	20634	17825	2809	4951	4181	770	997	893	104	1040	972	68	2243	1786	457	512	493	19	489	346	143	392	375	16
9 Construction	22282	28188	-5906	5364	5425	-61	1142	1386	-244	1505	1923	-418	2034	2742	-707	837	826	11	658	822	-164	564	746	-183
10 Trade & Distrib.	11657	11869	-211	3152	3148	4	631	670	-39	761	890	-129	910	1024	-114	291	128	164	268	93	175	280	277	4
11 Other Production	3286	851	2435	649	206	442	157	59	99	105	51	53	92	53	39	141	33	108	62	22	41	31	18	13
12 Housing, etc.	5889	5889	0	1319	1319	0	228	228	0	281	281	0	425	425	0	172	172	0	130	130	0	136	136	0
13 Health, etc.	7010	7080	-70	2078	2100	-23	404	408	-4	598	601	-3	628	635	-8	243	246	-3	207	210	-3	162	164	-2
14 Education	10877	10977	-100	3228	3254	-26	735	741	-6	1460	1475	-14	1357	1368	-11	409	413	-4	533	537	-4	274	277	-2
15 Culture	1249			360			76			72			102			40			48			32		
16 Art	478			132			30			30			43			26			20			14		
17 Culture & Art	1727	1779	-52	492	509	-17	106	109	-3	102	104	-2	144	150	-6	66	68	-2	68	70	-2	46	47	-1
18 Science	8276	8276	0	1372	1372	0	249	249	0	240	240	0	343	343	0	140	140	0	122	122	0	118	118	0
19 Bank	1016	1016	0	251	251	0	49	49	0	51	51	0	84	84	0	20	20	0	18	18	0	21	21	0
20 State Admin.	3190	2702	488	810	652	158	209	168	41	225	181	44	277	237	40	89	76	13	92	80	12	79	69	10

Notes:

NKh—Narodnoe Khozyaistvo SSSR (official labor and average wage statistics)

I-O—Input-Output Table

Discr.—Discrepancy (the difference between NKh and I-O)

* Discrepancy for total and agricultural wages is adjusted to account for seasonal workers who receive wages from collective farms

Chart B2: Comparison of Financial and Input-Output Data on Total Profit in USSR and Republics in 1987

(million rubles)

Page 1

	RUSSIA			UKRAINE			BELARUS			UZBEKISTAN			KAZAKHSTAN			GEORGIA			AZERBAIJAN			LITHUANIA		
	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.
1 Total Profit	122600	139856	-17256	38084	38727	-643	10577	11604	-1027	5645	6194	-549	8106	8420	-314	1840	2022	-182	2668	3016	-349	3119	3422	-303
2 Industry	74800	83011	-8211	20437	21992	-1555	5772	6239	-467	2357	2306	51	3877	3642	235	815	1213	-398	1120	1274	-154	1448	1701	-253
3 Agriculture	13800	12989	811	7086	6602	484	2499	2302	197	1076	564	512	1173	880	293	227	121	106	572	464	108	805	729	76
4 Construction	11100	12956	-1856	2724	2571	153	829	844	-15	546	411	135	857	911	-54	122	168	-46	319	331	-12	247	186	60
5 Transport & Comm.	11200	14991	-3791	3678	3111	567	436	594	-158	785	551	234	1167	1190	-23	357	73	284	216	225	-10	208	195	12
6 Trade & Distrib.	4700	6662	-1962	2300	2379	-79	612	739	-127	578	571	8	757	725	31	178	334	-156	261	383	-123	250	290	-40
7 Personal Care				248			49			52			41			36			32			23		
8 Communal Serv.				503			63			27			4			20			22			36		
9 7 + 8		1267	-1267	751	353	398	112	102	10	79	45	34	45	37	8	56	22	34	55	30	24	59	33	26
10 Other Sectors	7000	7969	-969	1108	1719	-611	317	784	-467	287	1747	-1460	231	1035	-804	112	92	20	126	309	-183	104	288	-184

Chart B3: Comparison of Financial and Input-Output Data on Depreciation in USSR and Republics in 1987

(million rubles)

Page 1

	RUSSIA			UKRAINE			BELARUS			UZBEKISTAN			KAZAKHSTAN			GEORGIA			AZERBAIJAN			LITHUANIA		
	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.
1 Total Depreciation	22268	98094	-75826	19341	24215	-4874		4943		2140	4697	-2556		8797		1380	1647	-267	1769	2227	-458		2061	
2 Industry	4005	43682	-39677	9913	10427	-514		2165		575	1604	-1030		3021		557	612	-55	955	997	-43		723	
3 Agriculture	8760	10883	-2123	4120	3634	486		801		796	721	75		1795		262	207	56	200	246	-47		428	
4 Construction	1971	7034	-5063	1142	1292	-149		323		317	412	-96		567		119	0	119	129	223	-94		139	
5 Transport & Comm.	3438	15099	-11661	2584	3557	-973		662		197	705	-508		1539		282	359	-77	280	373	-93		269	
6 Trade & Distrib.	1341	3052	-1711	479	678	-199		139		88	190	-103		279		44	49	-5	25	46	-21		63	
7 Personal Care	233									23						9			6					
8 Communal Serv.	1747			478						64						32			46					
9 7 + 8	1980	9243	-7263	478	2821	-2343		451		87	620	-533		959		41	249	-208	52	211	-159		251	
10 Other	773	9101	-8328	625	1806	-1181		403		82	444	-362		636		65	171	-106	128	130	-2		188	

Notes:

NKh—Narodnoe Khozyaistvo SSSR (official labor and average wage statistics)

I-O—Input-Output Table

Discr.—Discrepancy (the difference between NKh and I-O)

Chart B2: Comparison of Financial and Input-Output Data on Total Profit in USSR and Republics in 1987

(million rubles)

Page 2

	MOLDOVA			LATVIA			KYRGYZSTAN			TADZIKISTAN			ARMENIA			TURKMENIA			ESTONIA			USSR		
	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	Narkhoz	I-O	Discr.
1 Total Profit	2551	2813	-262	2427	2662	-235	1292	1426	-134	1151	1131	20	1560	1834	-274	1469	1378	91	1472	1702	-231	224000	226996	-2996
2 Industry	1104	1186	-83	1241	1395	-154	586	672	-86	421	475	-54	981	1156	-175	476	531	-56	706	856	-149	116661	128029	-11368
3 Agriculture	877	822	55	223	319	-96	348	321	27	307	226	82	107	93	14	589	391	199	382	295	87	30311	27113	3198
4 Construction	138	122	16	196	153	43	102	109	-7	113	118	-5	106	183	-77	88	123	-35	82	55	27	18171	20074	-1903
5 Transport & Comm.	96	108	-13	444	297	148	150	113	37	107	93	14	143	138	5	140	133	7	115	160	-45	22941	22630	311
6 Trade & Distrib.	181	183	-1	223	278	-55	80	87	-7	99	94	5	130	141	-11	93	95	-3	96	138	-42	14435	12124	2311
7 Personal Care	14			14			11			17			23			6			7			1250		
8 Communal Serv.	22			30			4			12			4			11			8			2338		
9 7 + 8	36	21	15	44	24	20	15	8	7	29	16	13	27	15	12	17	9	7	15	8	7	3588	1946	1642
10 Other Sectors	79	372	-294	46	196	-150	36	116	-80	74	109	-35	66	110	-44	67	95	-29	75	191	-116	17272	15061	2211

Chart B3: Comparison of Financial and Input-Output Data on Depreciation in USSR and Republics in 1987

(million rubles)

Page 2

	MOLDOVA			LATVIA			KYRGYZSTAN			TADZIKISTAN			ARMENIA			TURKMENIA			ESTONIA			USSR		
	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	NKh	I-O	Discr.	Narkhoz	I-O	Discr.
1 Total Depreciation	1235	1480	-245	1012	1613	-601	773	996	-223	703	970	-267	446	1157	-711	973	1305	-332	898	1103	-205	125629	154087	-28458
2 Industry	406	477	-71	467	529	-62	288	327	-39	280	324	-44	144	546	-402	417	452	-35	384	459	-75	66924	66192	732
3 Agriculture	473	378	95	176	273	-97	234	157	77	169	143	26	120	96	25	185	182	3	236	181	55	13803	18825	-5022
4 Construction	94	80	14	91	77	14	84	61	23	98	118	-20	44	92	-49	119	158	-39	57	46	11	10366	10783	-417
5 Transport & Comm.	139	202	-63	176	331	-155	82	144	-62	77	123	-46	67	142	-75	112	280	-168	135	173	-38	20273	23674	-3401
6 Trade & Distrib.	40	55	-16	36	55	-19	24	39	-15	20	33	-14	22	31	-9	22	30	-8	18	27	-9	2954	4672	-1718
7 Personal Care	7			8			5			6			5			3			6			456		
8 Communal Serv.	32			33			14			12			21			17			30			2943		
9 7 + 8	39	160	-121	41	193	-153	19	159	-140	18	144	-125	27	131	-105	20	99	-79	36	137	-101	3399	15912	-12513
10 Other Sectors	45	128	-83	25	154	-129	42	109	-67	42	86	-44	23	120	-97	98	104	-6	34	81	-47	7910	14031	-6121

Notes:

NKh—Narodnoe Khozyaistvo SSSR (official labor and average wage statistics)

I-O—Input-Output Table

Discr.—Discrepancy (the difference between NKh and I-O)

Appendix C: Production and Financing of Services

For the purpose of converting official I-O tables on material production flows into the SNA format, IDS collected the following sets of data on services:

1. *The total volume of produced services.*

1A. *Planned sectors:* The total output of planned service sectors was estimated as current material expenditure and depreciation plus labor and nonlabor costs and profit. Data on material expenditure and depreciation were extracted from 110-sector I-O tables. Data on labor costs were estimated as the sum of: a) total wages (see Appendix B), b) income of collective farmers engaged in service activities, and c) special bonuses paid in education, culture and health sectors which are excluded from regular wages. Data on (b) and (c) as well as on nonlabor income (social security deductions, profit and other income) were extracted from unofficial Goskomstat tables on the production of services by sector. Other income consists of regular outlays on services as well as postage fees paid by social security and welfare organizations to send money orders by mail to pension recipients (this was first noted in Peshekhonov, "Netsentralizovannyye Istochniki Finansirovaniya Obshchestvennykh Fondov Potrebleniya," *Finansy SSR*, N11 1985, p. 32).

1B. *Postage fees:* In preparing previous estimates, IDS mistakenly omitted these postage fees, thus inadvertently underestimating other income and hence total output of health services. In the official statistics on free household services--also known as 'social consumption funds'--these postage fees are hidden as part of total outlays on pensions. Data on these fees were extracted from the unofficial Goskomstat table on financing of social security and welfare by the state budget, enterprises and collective farms.

1C. *Unplanned sectors:* In official I-O tables, the output of the state administration sector excludes activities of two "unplanned" sectors--a) the central apparatus of political organizations and b) the police. The decision was made to add outlays on (a) to the official estimate for the state administration and to list (b) separately as part of other sectors. Since no data on (a) are available, the total output of the state administration was estimated as the sum of state budget outlays on state administration and membership dues (see below). Outlays on (a) were then assumed to equal the difference between the total and published output of state administration. The total police budget was officially reported as 8 billion rubles in 1988, 8.6 billion rubles in 1989 and 9.2 billion rubles in 1990 (*Izvestiya*, September 26, 1989, pp. 5-6; and the article "U Opasnoi Cherty" by Deputy USSR Finance Minister Panskov in *Ekonomika and Zhizn*, N15, 1990, p. 8). According to informed FSU officials, around 90-95 percent of residual All-Republic Budget outlays are allocated on the police. All-Union budget outlays on police were derived as the difference between the total and republic budgets. It was assumed that most All-Union budget outlays on state administration and police were spent on the territory of the Russian republic.

1D. *Subsidies*: Some services, particularly housing, urban transportation and pre-school and youth facilities do not receive sufficient financing from households, requiring subsidization by means of financial support from enterprises and the state budget. At issue is how to measure the gross and net output of subsidized services: to treat subsidies as losses that must be charged against profits or as free services in the same way as free education and health. It appears that there is no definitive consensus among experts on this issue. In preparing this study, the decision was made to treat subsidies as free services. The decision was based on the observation that since subsidized services were not profit-seeking in a sense that it is regularly understood these services in effect are no different from other free services provided by enterprises and government.

2. *Purchases of services by households*. Data on these purchases were first extracted from the official Goskomstat table "Household monetary income and outlays" (HIO) and then adjusted in accordance with the classification of services used in compiling the official statistics on labor, wages and I-O flows.

2A. *Housing and utilities*. The HIO table contains data on the combined purchases of housing and all utilities. Data on household payments for housing services (housing rent and charges for all types of dormitories and hotels) and utilities (power, gas, water, sewage, maintenance and central heating) were all extracted from unofficial Goskomstat tables. Payments for "material"-type utilities--power, gas and water--are excluded from estimates of total "non-material"-type services because these utilities are accounted for as household purchases of material wealth in official I-O tables. The total for "non-material"-type utilities also can be derived as the difference between combined outlays on housing and utilities reported in tables on HIO and purchased services (see Chart C2).

2B. *Personal care services*. The HIO table contains data on the combined purchases of total personal care services (3436 mr) which are excluded from the retail trade statistics on goods and services. In its previous estimates, IDS mistakenly assumed that all these purchases must be added to the I-O data on household consumption. However, a careful analysis of unpublished Goskomstat tables on personal care services led to a conclusion that these purchases are divided into those treated as the industrial output (large automated photo laboratories and laundries) and "non-material"-type services which are excluded from official I-O tables on production flows. Moreover, large automated services accounted for as much as 70 percent of total household purchases of photo and laundry services.

For the detailed published data on particular personal care services purchased by both households and organizations one must refer to Narkhoz editions (the 1989 edition, p. 150). These published data are difficult to use for two reasons: it remains unclear how to disaggregate data on other unlisted services--1811 mr in 1987 and 2645 mr in 1988--into those included and excluded from retail trade and how to divide total purchases into those made by households and enterprises. According to Koryagina (*Mezhotraslevye Svyazi Bytovogo Obsluzhivaniya*, Moscow: Legpishcheprom, 1983, p. 118), the share of purchases made by enterprises in total purchases of personal care services was particularly large for laundry and photo services where the share

reached 77.6 and 12.5 percent respectively in 1980. For other services--barber shops, bathhouses and rentals--the share was 0.3, 2.7 and 4.1 percent respectively. According to the unofficial Goskomstat table on personal care services in 1988, the share for the above listed services was 61, 12.4, 0.5, 3 and 3.5 percent respectively. For gas heating and transportation, the share was 0.7 and 32 percent respectively. Other "non-material"-type personal care services--religion and cults, delivery of goods in rural areas, management of ex-village markets and other--accounted for 34 percent of all unlisted personal care services.

2C. Transportation and communications (T&C) services. Data on T&C services were extracted from the HIO table. In the official table "Purchases of household services" (see Charts 1 and 2), data on these services exceed those reported in the HIO table. It is assumed that the discrepancy between the two sets of data equals the amount of passenger transportation services purchased by organizations. In this respect, it should be noted that one issue pertaining to passenger transportation that remain unresolved is how revenues received from foreign tourists are entered in FSU national accounts. It is known that all revenues from foreign tourists are entered on separate foreign trade banking accounts. At the same time, internal transportation agencies are paid in rubles for performed services regardless of the nationality of their passengers. In all probability, purchases made by foreign tourists must be excluded from the HIO table but included in the table "Purchases of household services." If this is the case, then the discrepancy between the two noted sets of data may include purchases made by FSU foreign trade organizations on behalf of foreign tourists.

Another controversial issue is the size of subsidies on urban transportation financed from the state budget. As compiled in unofficial Goskomstat tables, operational losses incurred by trams, metro, trolleys and buses in urban centers amounted to 326, 48, 239 and 387 mr respectively in 1987 with total losses amounting to 1 billion rubles. In theory, these losses should have been charged against profits made by railroads, taxis, Aeroflot and sea transport. However, as reported in the fourth quadrant of the 1987 110-sector I-O table, the size of other income in the transportation sector was estimated as minus 0.9 billion rubles. This leads to a hypothesis that losses are not charged against profits in passenger transportation. The hypothesis is corroborated by Goldenberg, one of principal authors of the 1987 I-O table. He notes that the negative number was indeed derived by subtracting all known costs and profits from the total output of the transportation sector where the I-O data on the total output was compiled by adding all sales of transportation services. If the hypothesis is correct, then subsidies must be accounted for as government purchases of transportation services. FSU planners followed the same approach when they estimated the total volume of transportation services (Gosplan SSSR, *Metodicheskie Ukazaniya k Sostavleniyu Gosudarstvennykh Planov...* (Moscow: Ekonomika, 1980, p. 670).

2D. Education, culture, arts and health services. Payments for pre-school facilities were divided into kindergartens (the education sector) and nurseries (the health sector) using a 98:2 ratio established in the mid-1980s (Ministerstvo Finansov SSSR, *Gosudarstvennyi Byudjet SSSR, 1981-1985*, pp. 58, 61). Payments for unaggregated services were divided between a) health and sports and b) banking and legal services using a 50:50 ratio derived on the basis of data

published in the official table "Paid household services" (Narkhoz for 1987, p. 447-448). Services offered by cooperatives (70 million rubles--from the HIO table) were divided among personal care, arts and health services using a 85:9:6 ratio based on the 1988 data (*Ekonomika i Zhizn*, N12, 1990, p. 5). Total purchases of health services were estimated by adding purchases of recreation, nursery, health and cooperative services.

2C. Other household purchases of services. According to the official practice, insurance services are excluded from the total volume of purchased services. The decision was made to estimate purchased insurance services as the difference between total outlays and income of households connected with insurance services as compiled in the HIO table. Purchases of banking and legal services were treated as consumption of banking and administration services. The HIO data on membership fees were used in the estimation of the total output of the state administration sector (see item 1C above).

3. Purchases of services by enterprises and collective farms from profit and other income.

3A. Household services. Data on these purchases were extracted from unofficial Goskomstat tables on free education, cultural, health and social security and welfare services as well as on housing subsidies. These tables are described in detailed in *Metodicheskie Ukazaniya...*, op. cit., pp. 666-671. These tables have been prepared annually using a standard procedure designed for compiling the officially published data on free household services. In accord with the official practice, purchases of household services by enterprises and collective farms are estimated as current expenditures which exclude a) social security deductions, b) postal fees (see item 1B), c) transfer payments (pensions, allowances, stipends and all types of education vacation pays), and d) capital depreciation charges. In order to preserve complete consistency between the official statistics and I-O data it is necessary to add (a), (b) and (c) to the output of free services financed by enterprises and collective farms. The problem, however, is that data on (a), (b), (c) and (d) are compiled for estimating the total volume of particular free services regardless of their sources of financing. Thus, the decision was made to derive estimates of these data in proportion to the share of purchases made by enterprises and collective farms in total current expenditure incurred by free services.

3B. Business services. In addition to household services, enterprises and collective farms purchase business services: "non-material"-type personal care, passenger transportation, communications, research, banking and insurance and advertisement. Since purchases of advertisement services were insignificant in size in 1987, they were not estimated in preparing this report. Personal care and transportation services were discussed in items 2B and 2C above. Purchases of banking and insurance services by sector of industry were extracted from unofficial Goskomstat tables. Data on purchases of research services were derived as a residual after accounting for all other purchases of services included in other income of profit-seeking sectors. Likewise, data on purchases of communications services were derived as a residual after accounting for all other purchases made by nonprofit sectors.

4. State budget. The general approach developed in this study was to derive state budget outlays as the difference between the total output of particular services and purchases of these services made by households, enterprises, non-profit organizations and collective farms. It was difficult to make direct estimates of state budget outlays on services for three reasons. First, the detailed All-Union budgetary data on municipal services (utilities), T&C and science were not available in preparing this study. Second, it remains unclear how to disaggregate All-Union budget outlays among individual republics. Third, state budgetary statistics contain data on current and capital expenditure where the latter is practically impossible to divide into capital depreciation and net fixed investment.

Estimation results on state budget outlays are presented in Charts C6, C7 and C8. Results on free services indicate that state budget outlays on education and health are underestimated in I-O tables by 2.5 and 4.5 billion rubles respectively as a result of using the official statistics on material and labor costs in these sectors which causes the supply of these services to be smaller than financial statistics indicate. It can be speculated that the major reason for the discovered discrepancy between the budgetary and I-O statistics is that the latter exclude "unplanned" sectors performing education and health services, such as military schools and hospitals.

The derived state budget outlays on utilities represent government purchases of municipal services. In T&C and research sectors, these outlays represent government subsidies on urban transportation, TV and radio broadcasts as well as government purchases of hidden national security services. It is interesting to observe that these outlays are 1) disproportionately large for the Russian republic and Kazakhstan, which were more militarized than other FSU republics, and 2) negative for many republics. The negative amount indicates that uses of services on republics territories exceeded the internal output of these services. In other words, the negative amount indicates that many republics were net importers of T&C and research services, while the Russian republic was the net exporter of these services.

Chart C1: Total Purchased Services in USSR and Republics in 1987
(million rubles)

	Personal Care		Transport		Communic.		Housing		Culture&Arts		Tourism		Sports		Recreation		Utilities		Educ.	Health	Bank	Other	Total	Popu-
	P/C	Total	P/C	Total	P/C	Total	P/C	Total	P/C	Total	P/C	Total	P/C	Total	P/C	Total	P/C	Total					Purch.	lation
USSR	43.8	12338	60.9	17166	11.2	3290	11.5	3231	7.1	2000	9.9	2731	0.5	129.6	6.7	1887	25.2	7107	1447	419	258	1551	53613	281689
Russia	45.2	5571	70.0	10172	13.5	1962	14.4	2092	8.0	1162	8.9	2473	0.5	66.8	6.6	959	25.6	3720	914	190	123	1123	30349	145311
Ukraine	44.2	2365	54.5	2793	11.6	594	9.5	486	7.2	369	9.6	492	0.4	22.5	10.6	543	32.9	1685	232	103	60	306	10044	51201
Belarus	54.6	570	54.2	546	12.6	127	10.2	103	7.1	72	9.1	92	0.5	4.5	5.3	53	19.9	201	54	24	13	58	1917	10078
Uzbekistan	27.9	531	35.4	674	4.4	84	4.5	86	3.3	63	4.8	91	0.3	4.9	1.9	36	15.8	301	42	16	9	100	2036	19026
Kazakhstan	38.5	625	58.2	945	10.2	166	10.6	172	5.5	89	5.5	89	0.4	5.7	3.4	55	25.4	413	84	32	16	66	2759	16244
Georgia	53.9	284	72.3	381	10.5	55	6.2	33	8.8	46	21.4	113	1.3	7.1	13.5	71	10.2	54	8	11	5	51	1118	5266
Azerbaijan	30.7	209	46.3	315	7.3	50	5.1	35	3.9	27	4.5	31	0.3	1.7	3.6	25	14.9	101	6	4	4	30	838	4811
Lithuania	58.4	213	60.0	218	12.9	47	13.3	48	8.2	33	17.6	64	0.4	1.5	8.9	32	23.9	87	20	9	6	28	804	3641
Moldova	39.9	167	40.0	167	9.0	38	6.4	27	5.6	23	11.3	47	0.3	1.4	5.6	23	31.3	130	25	7	4	22	682	4185
Latvia	57.5	152	76.0	201	16.5	44	11.9	31	10.5	28	17.6	47	0.6	1.6	9.9	26	37.5	100	14	3	3	24	674	2647
Kyrgyzstan	33.9	140	40.0	166	6.4	27	5.1	21	4.9	23	4.7	19	0.5	2.0	4.8	20	14.7	61	12	6	3	24	521	4143
Tadjikistan	28.8	138	29.8	143	4.0	19	4.0	19	3.2	15	2.9	14	0.2	1.1	1.3	6	9.3	45	6	3	2	22	435	4807
Armenia	42.7	146	49.5	169	11.0	38	6.5	22	5.6	19	11.7	40	1.4	4.8	4.7	16	23.4	80	8	4	2	20	558	3412
Turkmenistan	30.6	103	42.3	142	5.5	18	5.1	17	4.3	14	2.8	9	0.1	0.3	2.6	9	21.8	73	8	3	2	22	422	3361
Estonia	75.9	118	79.6	124	15.2	24	20.3	32	11.2	17	20.3	32	1.5	2.4	5.8	9	36.5	57	9	3	3	17	446	1556
Error		5		12		-1		6		5		316		1		3		2	5	4	3	-360	0	0

Note: P/C-- Per Capita Expenditure

Error--the difference between published data for the USSR and 15 republics

Chart C2: Comparison of HIO and Published Data on Purchases of Services in USSR and Republics in 1987

(million rubles)

	Personal Care			Transportation			Communications			Housing & Utilities			Culture & Arts			Tourism & Recreation			Education			Other Services			Total Services		
	HIO	Pub.	Diff.	HIO	Pub.	Diff.	HIO	Pub.	Diff.	HIO	Pub.	Diff.	HIO	Pub.	Diff.	HIO	Pub.	Diff.	HIO	Pub.	Diff.	HIO	Pub.	Diff.	HIO	Pub.	Diff.
USSR	3436	3716	280	14738	17166	2428	3290	3290	0	12157	10338	-1819	1944	2000	56	2835	4676	1841	1678	1447	-231	670	2358	1688	40750	44991	4242
Russia	1890	2043	152	8632	10172	1540	1971	1962	-9	7468	5812	-1656	1167	1162	-5	1667	2252	585	1068	914	-154	368	1503	1136	24230	25821	1591
Ukraine	696	754	58	2398	2790	392	589	594	5	2001	2171	170	323	369	46	649	1035	385	277	232	-45	121	488	368	7055	8433	1379
Belarus	126	136	10	481	546	65	128	127	-1	395	303	-92	69	72	3	96	145	50	71	54	-17	26	99	73	1392	1483	90
Uzbekistan	134	144	10	637	674	37	85	84	-1	437	386	-51	66	63	-3	67	127	60	33	42	9	32	129	98	1490	1649	159
Kazakhstan	151	164	13	781	945	165	159	166	7	626	585	-41	93	89	-4	81	144	63	90	84	-6	30	120	90	2010	2297	287
Georgia	79	86	7	340	381	41	54	55	1	169	86	-82	39	46	7	58	184	127	21	8	-13	18	74	56	776	920	144
Azerbaijan	63	68	5	282	315	33	50	50	0	149	136	-12	24	27	3	23	56	32	9	6	-3	7	40	33	607	698	91
Lithuania	59	63	4	183	218	35	47	47	0	179	135	-44	27	30	3	34	96	62	23	20	-3	11	44	33	563	655	92
Moldova	40	43	3	153	167	14	38	38	0	127	157	30	20	23	3	29	70	41	25	25	0	9	34	26	441	558	117
Latvia	48	52	4	179	201	22	44	44	0	134	131	-3	30	28	-2	23	73	51	16	14	-2	10	31	21	483	574	92
Kyrgyzstan	40	43	3	155	166	11	27	27	0	89	82	-7	19	20	1	23	39	19	12	12	0	11	35	24	373	424	50
Tadjikistan	27	29	2	136	143	7	20	19	-1	88	64	-24	16	15	0	22	22	0	7	6	-1	7	29	21	323	327	4
Armenia	26	28	2	163	169	6	38	38	0	114	102	-12	16	19	3	19	56	37	10	8	-2	5	31	26	390	450	60
Turkmenistan	28	31	3	115	142	27	19	18	-1	96	90	-6	14	14	0	12	18	6	7	8	1	6	27	21	296	349	53
Estonia	30	32	2	104	124	20	23	24	1	85	88	3	23	17	-6	36	42	6	10	9	-1	10	25	15	321	362	40

Note: HIO—From the official table "Household Monetary Income and Outlays"

Pub.—From the published table "Purchased Household Services" (Chart C1), without services included in retail trade

Diff.—The difference between the published and HIO data

Chart C3: USSR and Republic Budget Outlays on Household Services, Science and Administration
(million rubles)

	RUSSIA	UKRA	BELA	UZBEK	KAZ	GEOR	AZER	LITH	MOL	LATV	KIRG	TADZ	ARM	TURK	ESTO	All-Rep.	All-Union	Total
1 TOTAL OUTLAYS	27933.0	9171.1	2087.4	3555.9	3505.5	1290.3	1359.8	950.8	917.6	668.7	803.1	838.7	826.8	696.4	432.2	55037.3	25438.4	80475.7
2 Education, Culture & Broadcast	15636.6	5251.0	1240.5	2285.5	2239.9	719.3	845.9	589.9	545.3	372.7	514.9	537.5	584.6	445.2	245.1	31983.9	4026.6	36010.5
3 Total Education	14492.8	4765.6	1115.4	2158.1	1956.4	621.7	748.6	512.5	492.6	319.1	463.4	496.7	436.6	396.0	200.5	29176.0	2791.5	31967.5
4 Schools	10112.2	3223.1	758.8	1616.7	1365.7	438.2	539.9	340.3	357.3	214.6	327.8	389.7	306.4	305.3	137.2	20433.2	1195.5	21628.7
5 Career Advancement	4380.6	1542.5	356.6	541.4	590.7	183.5	208.7	172.2	135.3	104.5	135.6	107.0	130.2	90.7	63.3	8742.8	1596.0	10338.8
6 Culture	952.2	298.6	74.4	59.6	98.6	45.8	55.7	40.1	29.1	27.1	15.1	16.2	35.1	17.7	16.2	1781.5	26.9	1808.4
7 Media & Arts	191.6	186.8	50.7	67.8	184.9	51.8	41.6	37.3	23.7	26.5	36.4	24.6	42.9	31.5	28.3	1026.4	1523.8	2550.2
8 TV and Radio	111.6	157.4	44.6	51.4	150.4	42.5	36.3	32.0	19.5	23.3	28.0	18.8	34.3	24.7	24.9	799.7	1251.4	2051.1
9 Periodicals	57.0	7.0	0.0	8.3	12.3	3.1	0.3	0.8	1.4	0.0	4.0	2.8	3.5	3.0	0.0	103.5	89.5	193.0
10 Theater	13.3	13.4	3.7	4.9	13.3	3.7	3.0	2.7	1.7	1.9	2.6	1.8	3.1	2.3	2.0	73.4	103.6	177.0
11 Other Art	9.7	9.0	2.4	3.3	8.9	2.5	2.0	1.8	1.1	1.3	1.7	1.2	2.1	1.5	1.4	49.8	79.3	129.1
12 Health and Sports	9380.3	2935.9	612.3	982.0	937.7	336.5	304.0	262.3	255.6	202.4	202.0	226.6	192.7	170.6	118.5	17119.4	1026.9	18146.3
13 Health	9345.8	2925.4	605.3	975.0	930.9	325.4	290.6	256.5	253.4	198.9	200.4	224.7	187.3	169.3	113.2	17002.1	996.5	17998.6
14 Sports	34.5	10.5	7.0	7.0	6.8	11.1	13.4	5.8	2.2	3.5	1.6	1.9	5.4	1.3	5.3	117.3	30.4	147.7
15 Science	474.1	275.5	76.0	67.2	69.6	78.8	43.0	31.2	32.0	38.6	23.3	18.5	35.8	16.6	25.4	1305.6	14284.5	15590.1
16 State Administration	1089.7	343.4	79.5	85.8	131.8	48.5	37.7	34.2	31.2	26.3	29.2	27.6	29.7	30.6	17.6	2042.8	881.0	2923.8
17 Other (Police, etc.)	1352.3	365.3	79.1	135.4	126.5	107.2	129.2	33.2	53.5	28.7	33.7	28.5	54.0	33.4	25.6	2585.6	5219.4	7805.0

Table C4: Free Services, Pensions, Allowances and Stipends in USSR and Republics in 1987

(billion rubles)

	Russia	Ukr.	Bel.	Uzb.	Kaz.	Geor.	Azer.	Lith.	Mold.	Lat.	King.	Tadz.	Aarm.	Turk.	Est.	USSR	Error
TOTAL	93.60	28.64	6.79	7.14	8.46	2.60	2.58	2.40	2.15	1.85	1.73	1.65	1.52	1.34	1.17	162.00	-0.80
Education	21.10	7.03	1.53	2.59	2.78	0.72	0.86	0.70	0.68	0.45	0.58	0.58	0.49	0.49	0.29	41.00	0.12
Including Stipends	1.50	0.47	0.10	0.15	0.16	0.04	0.05	0.04	0.04	0.02	0.04	0.03	0.03	0.03	0.01	2.70	0.00
Health	12.80	3.73	0.78	1.07	1.12	0.37	0.34	0.33	0.33	0.25	0.24	0.24	0.21	0.18	0.15	22.20	0.06
Social Security	40.40	13.29	2.51	2.61	2.89	1.10	1.00	0.93	0.85	0.78	0.68	0.62	0.56	0.46	0.51	69.20	0.02
Pensions & Allowances	39.00	12.86	2.40	2.56	2.79	1.06	0.98	0.89	0.79	0.74	0.66	0.61	0.55	0.43	0.48	66.90	0.10
Pensions	30.60	10.62	1.91	1.45	1.93	0.87	0.69	0.65	0.57	0.60	0.42	0.33	0.40	0.28	0.38	51.70	0.00
Allowances	8.40	2.24	0.50	1.11	0.87	0.19	0.29	0.24	0.22	0.14	0.23	0.28	0.14	0.15	0.10	15.20	0.10
Other Services	1.40	0.43	0.11	0.05	0.09	0.05	0.02	0.04	0.05	0.04	0.02	0.01	0.01	0.00	0.03	2.30	-0.06
Housing Subsidies	7.20	1.25	0.25	0.24	0.65	0.00	0.11	0.13	0.07	0.12	0.06	0.06	0.07	0.06	0.08	10.40	0.05
Vacation & Bonuses	12.10	3.35	1.72	0.63	1.03	0.40	0.26	0.30	0.22	0.23	0.17	0.15	0.20	0.14	0.15	20.00	-1.05

Sources:

Republican Narodnoy	1989	1989	1989	1987	1988	1987	1988	1989	1987	1988	1988	1988	1988	1989	1987	1987
Pages	p. 139	p. 84	p. 39-4	p. 218	p. 45	p. 188	p. 50	p. 47	p. 182	p. 58	p. 36	p. 50	p. 34	p. 45	p. 40-4	p. 82

Chart C5: Financing of Free Household Services in USSR and Republics in 1987

(million rubles)

	Russia	Ukr.	Belor.	Uzb.	Kaz.	Geor.	Azor.	Lith.	Mold.	Lat.	Kirg.	Tads.	Arm.	Turk.	Est.	USSR
1 Educ. & Culture	21180.0	7034.0	1533.0	2592.3	2776.0	724.0	860.6	702.1	681.9	454.4	581.0	580.1	487.1	489.9	287.3	40963.7
2 State Budget	15280.0	4715.2	1112.7	2079.5	2211.7	499.5	679.7	532.4	518.2	309.5	482.3	471.1	362.7	382.8	185.3	29822.8
3 Social Security	236.3	67.1	14.8	28.7	26.6	8.1	9.7	6.6	6.4	4.7	6.4	6.9	5.3	4.8	2.9	435.4
4 Trade Unions	644.7	179.9	39.7	76.8	71.4	21.7	19.0	17.8	17.1	12.6	17.1	18.5	10.7	12.9	7.7	1167.8
5 Enterprises	2502.0	1314.4	220.6	225.0	261.2	126.0	91.5	63.0	75.5	62.5	40.0	43.5	41.5	54.0	53.5	5174.2
6 Agri. Collectives	31.3	8.9	2.0	3.8	3.5	1.1	1.3	0.9	0.8	0.6	0.8	0.9	0.7	0.6	0.4	57.6
7 Fishing Coll.	21.6	6.1	3.0	0.0	0.0	0.0	0.9	3.5	0.6	2.5	0.0	0.0	0.0	0.0	1.6	39.8
8 Public Organiz.	100.5	28.5	6.3	12.2	11.3	3.4	4.1	2.8	2.7	2.0	2.7	2.9	2.3	2.0	1.2	185.2
9 Depreciation	2363.6	713.8	134.0	166.3	190.1	64.2	54.5	75.0	60.5	60.0	31.6	36.3	63.7	32.7	34.7	4081.0
10 Total Education	20440.9	6805.0	1481.0	2606.7	2724.1	682.5	825.1	669.2	659.4	428.7	579.7	581.6	464.1	485.8	269.1	39740.0
11 Education GVO	18853.9	6294.3	1372.3	2449.9	2556.2	639.1	769.6	630.7	618.8	403.2	541.6	548.1	433.1	455.5	254.5	36860.0
12 Free Services	18069.6	6061.7	1319.3	2344.4	2458.0	609.6	731.1	610.9	597.1	389.3	519.8	521.7	412.7	431.1	245.8	35361.3
13 Consumption	16059.0	4895.3	1124.4	2147.1	2244.8	507.7	655.8	556.1	535.2	336.2	487.0	486.0	378.7	387.3	201.1	31003.7
14 Business Expend.	2010.6	1166.4	195.0	197.3	213.2	101.9	75.4	54.8	61.8	53.1	32.8	35.7	33.9	43.8	44.8	4357.6
15 S. S. Deductions	784.3	232.6	53.0	105.3	98.2	29.5	38.5	19.8	21.7	13.9	21.8	26.4	20.4	24.4	8.7	1498.7
16 Transfers	1587.0	510.7	108.7	156.8	167.9	43.4	55.5	38.5	40.6	25.5	38.1	33.5	31.0	30.3	14.6	2880.0
17 Subsidies	1500.0	465.0	101.0	149.0	158.8	39.0	52.3	36.3	38.0	23.3	36.7	32.0	29.6	28.4	12.7	2700.0
18 Educ. Vacations	87.0	45.7	7.7	7.8	9.1	4.4	3.2	2.2	2.6	2.2	1.4	1.5	1.4	1.9	1.9	180.0
19 Culture & Arts GVO	1729.3	484.0	111.1	99.2	172.3	77.2	79.0	57.2	47.0	42.8	27.5	27.9	48.5	32.3	30.3	3028.5
20 State Budget	1185.0	321.0	80.5	67.7	120.8	52.0	60.7	44.6	31.9	30.3	19.3	19.2	40.2	21.5	19.6	2114.5
21 Culture	979.1	298.6	74.4	59.6	98.6	45.8	55.7	40.1	29.1	27.1	15.1	16.2	35.1	17.7	16.2	1808.4
22 Arts	205.9	22.4	6.1	8.1	22.2	6.2	5.0	4.5	2.8	3.2	4.4	3.0	5.1	3.8	3.4	306.1
23 Theater	119.4	13.4	3.7	4.9	13.3	3.7	3.0	2.7	1.7	1.9	2.6	1.8	3.1	2.3	2.0	181.4
24 Other	86.5	9.0	2.4	3.3	8.9	2.5	2.0	1.8	1.1	1.3	1.7	1.2	2.1	1.5	1.4	124.7
25 Enterprises	544.3	163.0	30.6	31.5	51.5	25.2	18.3	12.6	15.1	12.5	8.0	8.7	8.3	10.8	10.7	914.0
26 Health GVO	13351.4	3875.0	805.5	1109.4	1160.7	383.5	356.1	343.0	345.1	263.0	252.0	251.9	216.0	191.7	159.4	23063.6
27 Free Health	12846.0	3726.0	776.0	1066.8	1115.6	365.9	341.2	331.3	333.1	253.1	242.1	242.5	208.2	181.3	153.5	22182.5
28 State Budget	9344.8	2630.0	570.6	804.3	813.3	257.1	264.1	238.6	242.2	194.3	183.2	179.7	136.0	148.0	123.3	16129.5
29 Social Security	775.4	222.9	48.5	76.6	71.8	26.4	23.0	30.7	20.9	15.3	15.3	17.1	15.6	13.4	9.0	1372.0
30 Trade Unions	336.6	96.7	21.1	33.3	31.2	11.5	10.0	9.0	9.1	6.7	6.7	7.4	6.8	5.8	3.9	595.5
31 Enterprises	711.0	204.4	44.5	70.3	65.8	24.2	21.1	18.9	19.1	14.1	14.1	15.7	14.3	12.3	8.3	1257.9
32 Collectives	41.1	11.8	2.6	4.1	3.8	1.4	1.2	1.1	1.1	0.8	0.8	0.9	0.8	0.7	0.5	72.7
33 Public Organiz.	118.0	33.9	7.4	11.7	10.9	4.0	3.5	3.1	3.2	2.3	2.3	2.6	2.4	2.0	1.4	208.8
34 Depreciation	1479.1	413.6	90.1	122.2	133.3	39.1	36.6	34.3	38.7	28.5	28.4	31.7	28.9	24.9	16.7	2546.0
35 S. S. Deductions	505.4	149.0	29.5	42.6	45.1	17.6	14.9	11.7	12.0	9.9	9.9	9.4	7.8	10.4	5.9	881.1
36 Social Security	40400.0	13288.0	2509.0	2610.1	2885.8	1104.9	1001.9	930.5	846.0	784.9	677.3	622.0	558.4	456.9	507.3	69183.0
37 GVO	1722.6	543.9	125.1	64.2	113.6	54.4	31.4	43.2	59.5	48.7	26.7	17.7	17.7	29.8	30.1	2928.5
38 Health Services	1184.1	357.1	91.6	88.7	79.7	39.1	19.2	31.7	49.5	38.2	19.2	11.9	10.5	24.8	23.4	2016.1
39 State Budget	212.9	64.2	16.5	7.0	14.3	7.0	3.5	5.7	8.9	6.9	3.5	2.1	1.9	4.5	4.2	362.6
40 Enterprises	904.2	272.7	69.9	29.5	60.9	29.8	14.7	24.2	37.8	29.1	14.7	9.1	8.1	18.9	17.9	1539.5
41 Collective Farms	67.0	20.2	5.2	2.2	4.5	2.2	1.1	1.8	2.8	2.2	1.1	0.7	0.6	1.4	1.3	114.0
42 Postal Fees	538.6	186.8	33.5	25.5	33.9	15.3	12.2	11.5	10.1	10.6	7.5	5.8	7.1	5.0	6.7	912.4
43 Transfers	38461.4	12669.2	2370.5	2535.7	2758.6	1044.4	965.6	882.7	782.4	731.9	647.6	602.0	537.9	425.1	474.5	65887.2
44 Pensions	30061.4	10428.2	1872.5	1422.5	1891.2	854.4	680.2	641.5	561.3	590.6	416.2	322.6	396.8	277.4	373.1	50787.6
45 Allowances	8400.0	2241.0	498.0	1113.2	867.4	190.0	285.4	241.2	221.1	141.3	231.4	279.4	141.1	147.7	101.4	15099.6
46 Housing	7204.6	1247.0	249.0	242.6	647.5	115.0	114.5	132.0	67.7	121.2	56.6	58.4	70.9	64.2	74.0	10465.2
47 State Budget	1516.7	417.6	109.9	118.0	117.2	83.6	65.2	51.9	34.3	34.1	21.1	23.8	56.6	29.0	25.2	2706.2
48 Enterprises	5687.9	829.4	139.1	124.6	530.3	31.4	49.3	80.1	33.4	87.1	35.5	32.6	14.9	35.2	48.8	7759.0

Note: S.S. Deductions--Social Security Deductions (excluded from official estimates of free services)

**Chart C6: Comparison of Financial and I-O Data on Free Household Services in
in USSR and Republics in 1987**

(million rubles)

	Russia	Ukr.	Bel.	Uzb.	Kaz.	Geor.	Azer.	Lith.	Mold.	Lat.	Kirg.	Tadz.	Arm.	Turk.	Eat.	USSR
<i>Financial Data:</i>																
1 Total GVO	39725	12499.8	2661.6	3903.0	4280.0	1278.9	1295.1	1162.4	1148.6	830.5	903.9	893.2	762.1	744.9	546.4	73637.6
2 Education GVO	19505.5	6463.1	1415.3	2470.2	2611.2	651.7	774.9	644.5	634.3	413.2	548.8	552.4	439.0	459.8	260.6	37883.7
3 Free Services	18853.9	6294.3	1372.3	2449.9	2556.2	639.1	769.6	630.7	618.8	403.2	541.6	548.1	433.1	455.5	254.5	36860.0
4 Consumption	16756.0	5083.1	1169.5	2243.7	2334.5	532.3	690.3	574.2	554.7	348.2	507.4	510.6	397.5	409.2	208.2	32317.7
5 Business Exp.	2097.8	1211.2	202.8	206.2	221.7	106.8	79.3	56.6	64.1	55.0	34.2	37.5	35.6	46.3	46.4	4542.3
6 Paid Services	651.7	168.8	43.0	20.4	55.0	12.6	5.2	13.8	15.5	9.9	7.2	4.3	5.9	4.3	6.1	1023.7
7 Culture&Arts GVO	2895.9	806.8	180.4	164.8	265.1	116.1	103.2	84.1	66.9	72.4	46.9	43.4	64.3	46.1	53.6	4972.9
8 Free Services	1729.3	484.0	111.1	99.2	172.3	77.2	79.0	57.2	47.0	42.8	27.5	27.9	48.5	32.3	30.3	3028.5
9 Consumption	1185.0	321.0	80.5	67.7	120.8	52.0	60.7	44.6	31.9	30.3	19.5	19.2	40.2	21.5	19.6	2114.5
10 Business Exp.	544.3	163.0	30.6	31.5	51.5	25.2	18.3	12.6	15.1	12.5	8.0	8.7	8.3	10.8	10.7	914.0
11 Paid Services	1166.6	322.8	69.3	65.6	92.8	38.9	24.2	26.9	19.9	29.6	19.4	15.5	15.8	13.8	23.3	1944.4
12 Health GVO	17323.9	5229.9	1065.8	1267.9	1403.7	511.0	417.1	433.8	447.4	345.0	308.2	297.4	258.8	239.0	232.2	29781.0
13 Free Services	15074.0	4418.9	930.6	1173.6	1274.3	437.9	387.5	386.2	404.6	311.7	278.7	269.6	233.7	221.5	189.5	25992.1
14 Consumption	13350.8	3909.9	808.4	1067.5	1139.3	380.2	349.5	340.2	343.8	265.6	248.0	243.3	209.9	188.1	161.6	23007.9
15 Business Exp.	1723.2	509.0	122.2	106.0	135.0	57.7	38.0	46.0	60.8	46.2	30.6	26.3	23.7	33.4	27.9	2984.2
16 Paid Services	2249.9	811.0	135.2	94.4	129.4	73.1	29.6	47.6	42.8	33.3	29.6	27.8	25.1	17.5	42.7	3788.9
17 Nurseries	416.6	107.9	27.5	13.0	35.1	8.1	3.4	8.8	9.9	6.4	4.6	2.8	3.8	2.7	3.9	654.5
18 Recreation	1666.6	649.4	95.9	67.3	80.8	57.5	23.3	34.1	29.3	22.5	19.7	21.8	19.0	11.7	36.3	2885.2
19 Health&Sports	166.7	53.7	11.9	14.1	13.5	7.6	2.9	4.7	3.6	4.4	5.3	3.3	2.4	3.1	2.5	299.2
<i>Input-Output Data:</i>																
20 Total GVO	36911.9	10365.1	2311.4	3521.5	3835.4	1240.2	1235.6	987.0	961.2	737.9	800.4	815.9	693.1	637.5	493.5	65569.9
21 Education GVO	19669.8	5523.7	1279.1	2181.3	2245.4	678.1	772.5	552.6	546.9	393.6	488.6	530.0	416.0	399.8	255.2	35932.6
22 Consumption	17267.5	4885.8	1082.7	2035.0	1927.7	566.6	686.6	495.8	488.8	340.1	456.3	501.3	380.4	348.7	208.6	31990.6
23 Free Services	16615.8	4717.0	1039.7	2014.6	1872.7	554.0	681.4	482.0	473.3	330.2	449.1	497.0	374.5	344.4	202.5	30966.9
24 Paid Services	651.7	168.8	43.0	20.4	55.0	12.6	5.2	13.8	15.5	9.9	7.2	4.3	5.9	4.3	6.1	1023.7
25 Business Exp.	2402.3	637.9	196.4	146.3	317.7	111.5	85.9	56.8	58.1	33.5	32.3	28.7	35.6	51.1	46.6	3942.0
26 Culture&Arts GVO	2951.2	806.5	181.0	189.4	262.2	104.5	100.3	81.5	69.0	65.3	51.5	52.6	61.4	54.0	44.9	5075.3
27 Consumption	2406.9	643.5	150.4	157.9	210.7	79.3	82.0	68.9	53.9	52.8	43.5	43.9	53.1	43.2	34.2	4161.3
28 Free Services	1862.6	480.5	119.8	126.4	159.2	54.1	63.7	56.3	38.8	40.3	35.5	35.2	44.8	32.4	23.5	3247.3
29 Paid Services	1166.6	322.8	69.3	65.6	92.8	38.9	24.2	26.9	19.9	29.6	19.4	15.5	15.8	13.8	23.3	1944.4
30 Business Exp.	544.3	163.0	30.6	31.5	51.5	25.2	18.3	12.6	15.1	12.5	8.0	8.7	8.3	10.8	10.7	914.0
31 Health GVO	14290.9	4034.9	851.3	1150.8	1327.8	457.6	362.8	352.9	345.3	279.0	260.3	233.3	215.7	203.7	193.4	24562.0
32 Consumption	12356.3	3525.9	713.4	1056.8	1100.2	372.3	298.1	307.9	299.1	236.1	235.6	214.6	187.0	165.1	156.0	21395.0
33 Free Services	10106.4	2715.0	578.2	962.4	970.7	299.2	268.5	260.3	256.3	202.8	206.0	186.8	161.9	147.5	113.3	17606.1
34 Paid Services	2249.9	811.0	135.2	94.4	129.4	73.1	29.6	47.6	42.8	33.3	29.6	27.8	25.1	17.5	42.7	3788.9
35 Business Exp.	1934.6	509.0	137.9	94.0	227.6	85.3	64.7	45.0	46.2	42.9	24.7	18.7	28.7	38.6	37.4	3167.0

**Chart C7: Financing of Housing, Utilities and Personal Care Services
in USSR and Republics in 1987**

*(million rubles)

	Russia	Ukr.	Bel.	Uzb.	Kaz.	Geor.	Azer.	Lith.	Mold.	Lat.	Kirg.	Tadz.	Arm.	Turk.	Est.	USSR
1 Housing-Com. GVO	20433.3	3324.3	973.3	1081.8	1943.7	313.5	425.5	519.3	315.8	433.8	278.7	259.2	277.2	211.4	280.8	33523.0
2 Housing	16538.1	4101.2	713.5	841.1	1592.1	344.4	321.9	362.4	221.8	296.7	207.8	197.7	186.7	163.5	202.4	26291.2
3 Free Services	7204.6	1247.0	249.0	242.6	647.5	115.0	114.5	132.0	67.7	121.2	56.6	58.4	70.9	64.2	74.0	10465.2
4 State Budget	1516.7	417.6	109.9	118.0	117.2	83.6	65.2	51.9	34.3	34.1	21.1	25.8	56.6	29.0	25.2	2706.2
5 Enterprises	5687.9	829.4	139.1	124.6	530.3	31.4	49.3	80.1	33.4	87.1	35.5	32.6	14.3	35.2	48.8	7759.0
6 Households	2127.5	502.2	111.5	93.5	175.0	36.4	34.4	48.4	30.1	33.5	21.2	19.3	23.8	17.3	31.4	3305.4
7 Housing Rent	1568.0	380.0	77.0	61.1	122.0	29.0	28.0	37.0	22.5	23.5	15.0	14.7	17.9	14.2	20.0	2429.8
8 Dormitories	206.5	49.3	9.5	7.5	15.0	3.6	3.1	4.9	2.9	3.8	1.8	1.8	2.2	2.0	2.5	316.5
9 Hotels	353.0	72.9	25.0	24.9	38.0	3.9	3.3	6.5	4.7	6.2	4.3	2.8	3.7	1.1	8.9	559.1
10 Depreciation	7206.0	2352.0	353.0	505.0	769.6	193.0	173.0	182.0	124.0	142.0	130.0	120.0	92.0	82.0	97.0	12520.6
11 Utilities	1852.5	669.2	124.4	96.7	188.0	83.0	35.5	93.6	51.0	84.7	27.9	32.2	62.5	17.1	46.0	3515.8
12 State Budget	551.2	374.9	67.7	51.7	98.2	61.7	17.1	64.1	33.7	62.3	16.9	21.4	49.4	5.2	31.3	1558.3
13 Sewage	274.1	65.5	12.6	10.0	20.0	4.7	4.1	6.5	3.8	5.0	2.5	2.4	2.9	2.6	3.3	420.0
14 Cleaning	27.2	6.5	1.3	1.0	2.0	0.5	0.4	0.6	0.4	0.5	0.2	0.2	0.3	0.3	0.3	41.7
15 Central Heating	1000.0	222.4	42.8	34.0	67.8	16.1	13.9	22.2	13.1	17.0	8.3	8.2	9.9	9.0	11.1	1495.8
16 Personal Care	2042.7	753.9	135.4	144.0	163.6	86.1	68.1	63.3	43.0	52.4	43.0	29.3	28.0	30.8	32.4	3716.0
17 Enterprises	152.3	57.7	9.8	10.5	12.3	7.2	5.2	4.6	3.4	4.2	2.9	2.4	2.3	2.8	2.4	280.0
18 Households	1890.4	696.2	125.6	133.5	151.3	78.9	62.9	58.7	39.6	48.2	40.1	26.9	25.7	28.0	30.0	3436.0
19 a) Bathhouses	131.8	48.6	8.9	9.3	10.5	5.5	4.3	4.1	2.9	3.4	3.0	1.9	1.7	2.0	2.2	239.6
20 b) Laundry	80.3	29.6	5.4	5.7	6.4	3.4	2.6	2.5	1.8	2.0	1.8	1.2	1.0	1.2	1.3	146.0
21 c) Photo	28.1	10.4	1.9	2.0	2.2	1.2	0.9	0.9	0.6	0.7	0.6	0.4	0.4	0.4	0.5	51.0
22 d) Barbershops	542.9	200.4	36.5	38.5	43.4	22.7	17.8	16.8	11.8	13.8	12.2	7.9	6.9	8.2	8.9	987.0
23 c) Rentals	175.1	64.6	11.8	12.4	14.0	7.3	5.7	5.4	3.8	4.5	3.9	2.5	2.2	2.6	2.9	318.5
24 d) Transportation	310.8	114.7	20.9	22.0	24.9	13.0	10.2	9.6	6.8	7.9	7.0	4.5	4.0	4.7	5.1	565.1
25 e) Gas Heating	167.1	61.7	11.2	11.9	13.4	7.0	5.5	5.2	3.6	4.3	3.8	2.4	2.1	2.5	2.7	303.9
26 f) Religion	89.5	33.0	6.0	6.3	7.2	3.7	2.9	2.8	2.0	2.3	2.0	1.3	1.1	1.4	1.5	162.7
27 g) Rural Delivery	70.2	25.9	4.7	5.0	5.6	2.9	2.3	2.2	1.5	1.8	1.6	1.0	0.9	1.1	1.1	127.6
28 h) Markets	56.3	20.8	3.8	4.0	4.5	2.4	1.8	1.7	1.2	1.4	1.3	0.8	0.7	0.8	0.9	102.3
29 i) Other	237.9	87.8	16.0	16.9	19.0	9.9	7.8	7.4	5.2	6.1	5.4	3.5	3.0	3.6	3.9	432.6

**Chart C8: Financing of Transport, Communications, Science and Administration Services
in USSR and Republics in 1987**

(million rubles)

	Russia	Ukr.	Belu.	Uzb.	Kaz.	Geor.	Azer.	Lith.	Mold.	Lat.	Kirg.	Tadz.	Arm.	Turk.	Est.	USSR
1 Transportation GVO	12873.3	2961.6	613.2	725.5	1317.2	378.7	334.6	234.5	181.3	243.4	180.7	167.1	202.0	173.6	232.5	20485.0
2 State Budget	2701.3	171.6	67.2	51.5	372.2	-2.3	19.6	36.5	14.3	42.4	14.7	24.1	33.0	31.6	108.5	3332.0
3 Enterprises	1540.4	392.0	64.8	37.3	164.4	41.2	33.1	34.8	13.7	22.2	10.8	6.6	6.3	27.0	20.2	2414.8
4 Special Tran.	797.4	202.9	33.5	19.3	85.1	21.3	17.1	18.0	7.1	11.5	3.6	3.4	3.3	14.0	10.5	1250.0
5 Passenger Tran.	743.0	189.1	31.3	18.0	79.3	19.9	16.0	16.8	6.6	10.7	5.2	3.2	3.0	13.0	9.7	1164.8
6 Households	8631.6	2398.0	481.2	636.7	780.6	339.8	281.9	183.2	153.3	178.8	155.2	136.4	162.7	115.0	103.8	14738.2
7 Communications GVO	5198.8	1142.2	268.4	207.5	404.2	135.5	114.0	101.3	90.0	95.4	80.0	62.6	97.3	70.0	54.6	7974.0
8 State Budget	2299.2	260.2	83.7	56.7	179.9	53.6	40.8	34.5	33.9	33.6	38.3	29.9	44.1	41.4	20.9	3088.3
9 TV & Radio	1363.0	157.4	44.6	51.4	150.4	42.5	36.3	32.0	19.5	23.3	28.0	18.8	34.3	24.7	24.9	2031.1
10 Other (defense, etc)	936.2	102.6	39.1	5.3	29.5	11.1	4.5	2.5	14.4	10.3	10.3	11.1	9.8	16.7	-4.0	1037.2
11 Enterprises	929.0	292.7	56.8	65.5	65.6	28.1	23.1	20.2	18.3	18.1	14.7	13.2	15.2	10.0	10.3	1395.4
12 Current Charges	390.4	105.9	23.3	40.0	31.7	12.8	10.9	8.7	8.2	7.5	7.2	7.4	8.1	5.0	3.6	683.0
13 Postal Fees	538.6	186.8	33.5	25.5	33.9	15.3	12.2	11.5	10.1	10.6	7.5	5.8	7.1	5.0	6.7	912.4
14 Households	1970.6	589.3	127.9	85.3	158.7	53.8	50.1	46.6	37.8	43.7	27.0	19.5	38.0	18.6	23.4	3290.3
15 Science GVO	24817.1	3230.8	461.4	471.5	675.7	241.3	208.1	221.9	81.0	147.9	173.8	142.4	218.4	109.2	72.5	30807.0
16 State Budget	17734.7	1907.6	-46.0	132.7	92.4	15.6	-4.8	132.2	-0.8	75.5	101.0	85.9	163.7	##	13.8	20553.0
17 All-Union	17260.6	1632.1	-122.0	65.5	22.8	-63.2	-47.8	101.0	-32.8	36.9	77.7	67.4	127.9	##	-11.6	19247.4
18 All-Republic	474.1	275.5	76.0	67.2	69.6	78.8	43.0	31.2	32.0	38.6	23.3	18.5	35.8	16.6	25.4	1305.6
19 Oil-Gas Explor.	3469.2	340.9	31.5	143.9	133.0	38.2	114.0	4.0	3.1	7.6	9.3	8.1	5.5	287.0	7.0	4179.0
20 Enterprises	3613.2	982.3	475.9	194.9	450.3	187.5	98.9	85.7	78.7	64.8	63.5	48.4	49.2	57.3	51.7	6075.0
21 Administration GVO	4772.8	1143.4	254.3	253.0	374.6	127.4	110.4	100.0	85.6	78.6	71.0	65.0	78.1	67.4	52.0	7633.6
22 State Budget	1970.7	343.4	79.5	85.8	131.8	48.5	37.7	34.2	31.2	26.3	29.2	27.0	29.7	30.6	17.6	2923.8
23 Membership Dues	2802.1	800.0	174.8	167.2	242.8	78.9	72.7	65.8	54.4	52.3	41.8	37.4	48.4	36.8	34.4	4709.8

Appendix D: Combining Reports from FSU Economies

The main report notes that republic-level branches of the FSU's central Goskomstat did not receive direct reports on various Union-wide activities. Rather, the central Goskomstat would provide its branches in each republic with processed information sets that, when combined with reports generated via the appropriate branch, would yield the center's assessment of that republic's contribution to the I-O table, etc., for the FSU as a whole. Such detachment from the use of the information usually reduces a compiler's attention to the accuracy of the reports he or she submits, which could explain why some republic-level I-O tables seem to have discrepancies and errors. Hence, before the official format I-O tables (Tier I) could be expanded to NEB format (Tier II), IDS had to make educated guesses about the reasons for discrepancies between the 1987 I-O table for the FSU as a whole and the sum of the 15 I-O tables available from individual republics. Chart D1 summarizes the differences.

By far the largest discrepancy arises in the export column (29) and the import row (38). This reflects the inclusion of inter-republic trade in I-Os of individual republics, while the comparable segments of the I-O for the FSU is confined to extra-republic trade. In effect, each total should differ by about 180 billion rubles (see Chart A1, above), which is the case on the export side. What is surprising, then, is the much smaller difference on the import side. By inference, some republic-level I-Os did not in fact record all imports in their I-Os.

Other major discrepancies include working capital (column 25) where reports for the FSU as a whole again exceed the sum of the 15 republics; and "other" sectors (column 27) where the opposite is true. While the magnitude is similar, between the two, the distribution by type of material outlays is so different that they are unlikely to be mirror-images of the same classification issue.

Chart D1: Discrepancies between USSR and Republics' 1987 Input-Output Tables--Official Format

(million rubles)

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood & Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	-39	64	7	-3	48	48	48	-385	23	-64	25	-18	-195	-442
2 Petro-Gas	648	-72	-4	1	50	43	81	51	71	14	9	14	17	923
3 Coal	222	0	399	0	209	4	4	23	0	31	0	-4	-1	887
4 Other Fuels	19	0	1	20	0	1	5	16	0	5	0	1	0	69
5 Ferrous Metals	-1	-5	-10	5	-351	26	0	-917	15	-163	3	-7	26	-1379
6 N-Ferrous Metals	-47	0	0	0	29	-123	30	1052	4	8	0	2	162	1118
7 Chemicals	-15	5	-3	-1	1	-13	-417	146	2	-45	-55	2	2	-390
8 MBMW	116	6	88	4	-109	7	34	-4018	4	-64	9	-38	72	-3890
9 Wood & Paper	7	0	39	0	0	0	-97	64	259	83	49	10	5	419
10 Constr. Materials	1	2	-1	0	-11	3	0	-33	-8	-67	1	-16	-6	-135
11 Light Industry	0	3	0	0	4	10	177	352	11	32	2045	4	-35	2603
12 Food Industry	1	-5	0	0	4	1	-75	4	-1	-3	-19	335	-18	223
13 Other Industry	34	-2	11	1	-10	20	21	43	33	24	-16	-3	7	162
14 Total Industry	947	-3	527	26	-136	28	-189	-3602	412	-208	2050	282	36	169
15 Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Agri. & Forestry	0	0	0	0	1	0	-14	1	50	0	-77	1262	528	1750
17 Production T & C	-2	1267	431	-20	15	85	-294	-432	349	-374	-247	-144	-33	602
18 T & D	0	-188	59	2	224	8	39	105	65	4	278	-918	123	-200
19 Other Prod. Sectors	-4	4	3	0	-72	-53	16	-22	-6	8	-5	-29	24	-135
20 Material Outlays	941	1081	1020	9	31	67	-442	-3950	870	-570	1999	453	678	2186
21 Depreciation	23	-165	-26	3	122	205	162	-127	-77	-188	-11	-38	-36	-153
22 Total Outlays	964	915	994	11	153	271	-280	-4077	793	-758	1988	415	642	2032
23 Wages	7	3	145	11	-82	-107	0	9	-59	-14	151	-129	203	139
24 Other Earnings	10	11	12	0	6	12	-16	96	14	8	15	14	-2	181
25 Kolkhoz Pay	1	0	0	0	0	0	0	-24	4	10	1	99	13	104
26 Social Security	18	-3	51	-1	-5	-20	-5	-99	-18	33	34	-29	33	-12
27 Kolkhoz Soc. Sec.	0	0	0	0	0	0	0	-11	2	1	0	26	2	20
28 Total Profit	-79	-114	-502	41	124	-173	-117	2601	-182	-345	-582	-1378	-261	-967
29 Bonus Wages	15	15	6	3	0	30	28	52	8	5	18	-21	65	224
30 Turnover Tax	296	-78	0	0	4	13	-233	0	-39	-270	241	278	-212	0
31 Net Subsidies	0	0	0	15	0	0	0	0	0	0	-108	140	-47	0
32 Other State Income	-99	-108	-43	3	-210	-62	-207	697	-153	-360	-356	-295	-93	-1286
33 Kolkhoz Income	3	0	0	0	0	0	4	437	241	61	133	189	282	1350
34 Private Income	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Unamortized Value	-5	-30	4	-1	8	-3	-6	33	-2	-1	-1	4	-1	0
36 National Income	153	-319	-333	67	-155	-338	-580	3739	-191	-877	-472	-1081	-83	-471
37 Total Output	1117	596	661	78	-2	-67	-860	-337	601	-1635	1515	-666	560	1561
38 Import	-1735	-14287	-1216	-38	-13693	-5889	-17900	-56835	-5698	-2644	-27718	23106	-3618	-128166
39 Total Supply	-618	-13691	-555	41	-13696	-5956	-18761	-57173	-5096	-4279	-26203	22440	-3058	-126605

Chart D1: Discrepancies between USSR and Republics' 1987 Input-Output Tables--Official Format

(million rubles)

Page 2

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Const	Agri.	T & C	T & D	Other	TOTAL	Private	Public	Total	Net	Working	Capital	Other	Losses	Exports	Total
					Prod.	PROD.	Cons.	Cons.	Cons.	Fixed	Capital	Depr.				Uses
1 Power	481	-44	124	164	-8	276	493	307	800	0	-2	0	41	0	-1732	-618
2 Petro-Gas	-175	-499	-218	-18	-1	13	189	-533	-344	0	-811	0	193	0	-12740	-13690
3 Coal	-7	-170	-27	-12	-1	672	-116	370	254	0	-360	0	25	0	-1146	-555
4 Other Fuels	6	-10	0	1	0	65	-9	19	10	0	-17	0	-1	0	-17	41
5 Ferrous Metals	343	14	18	1	0	-1003	17	62	79	0	-115	0	9	0	-12665	-13695
6 N-Ferrous Metals	-7	1	6	2	-1	1119	0	-5	-5	0	-1341	0	0	0	-5730	-5957
7 Chemicals	-207	54	187	-25	-6	-386	-283	-94	-377	0	-973	0	1312	1	-18340	-18762
8 MBMW	111	467	112	-52	-23	-3275	796	-406	390	-490	-4764	-3031	12205	78	-58283	-57169
9 Wood & Paper	343	22	9	-28	-2	762	-75	-42	-117	88	-297	137	-27	32	-5675	-5097
10 Constr. Materials	-656	-41	-75	-70	-2	-979	-128	-95	-223	0	-409	0	2	11	-2684	-4282
11 Light Industry	109	88	54	-26	-2	2826	-872	-128	-1000	-61	425	-70	188	-44	-28468	-26204
12 Food Industry	1	204	0	-10	1	420	-333	325	-8	0	-1671	0	291	0	-22801	-23769
13 Other Industry	26	1101	108	-19	9	1387	593	-109	483	-26	-856	-64	-129	10	-3865	-3059
14 Total Industry	369	1188	299	-91	-36	1898	270	-330	-59	-489	-11189	-3028	14110	88	-174146	-172815
15 Construction	0	0	0	0	0	0	-6	0	-6	830	-3187	2211	0	151	0	0
16 Agri. & Forestry	-22	166	-4	64	0	1955	-712	-88	-800	-618	-114	-321	-111	-203	-5709	-5920
17 Production T & C	-399	-465	3	37	230	8	0	-8	-8	0	0	0	0	0	0	0
18 T & D	0	129	0	0	97	26	0	0	0	0	0	0	0	-26	0	0
19 Other Prod.	19	11	-4	86	-1	-25	415	-75	340	279	-10	-84	13	0	-718	-205
20 Material Outlays	-33	1029	295	95	291	3862	-32	-501	-533	1	-14500	-1221	14012	11	-180572	-178940
21 Depreciation	33	-1300	-295	-96	50	-1761	31	501	533	0	-433	0	450	-11	0	
22 Total Outlays	0	-271	0	0	341	2102	0	0	0	1	-14933		14462	0	-180572	-178940
23 Wages	729	133	-250	685	-130	1306										
24 Other Earnings	-686	19	-102	-179	-1	-767										
25 Kolkhoz Pay	-450	294	-1	0	44	-8										
26 Social Security	-548	14	-198	-67	-10	-820										
27 Kolkhoz Soc. Sec.	0	66	-1	0	5	90										
28 Total Profit	834	52	955	-973	213	114										
29 Bonus Wages	255	1	3	-1090	-7	-614										
30 Turnover Tax	0	0	0	0	0	0										
31 Net Subsidies	0	0	0	0	0	0										
32 Other State Income	-8	-896	-404	532	-43	-2104										
33 Kolkhoz Income	0	-57	0	0	7	1300										
34 Private Income	0	376	0	0	-86	290										
35 Unamortized Value	130	-1	0	1	0	131										
36 National Income	0	0	0	0	1	-470										
37 Total Output	0	-271	0	0	341	1631										
38 Import	0	-5650	0	0	-544	-134361										
39 Total Supply	0	-5921	0	0	-203	-132729										

Appendix E: The Second Economy

There is no agreement among specialists not only on the size and structure but also on the definition of the second economy. Specialists agree, however, that during the last three decades the second economy grew by 3-4 times faster than the official economy reaching a level that is at least 5 and as much as 15 percent of GNP. According to average estimates prepared by T. Koryagina, a top specialist on the USSR second economy, economic activities not sanctioned by the state grew from 5 to 90 billion rubles in 1960-1990 or by 14 times (see Chart A1 below).²³ These activities include sale of moonshine, repair, trade and personal care services offered by individuals. Not all services increase economic welfare and hence GNP. For example, bribes taken by administration and trade officials, scalping practices, padding of reports in agriculture and construction should not be considered as contributing to GNP. At the same time, individuals who offer repair services often use materials stolen from the state as well as tools and facilities that belong to the state. Moreover, these services are offered as a rule at the expense of state services, which is another form of padding performance reports. Overall, we decided to accord with the international practice and not include production-type illegal activities in estimates of republics' GNP.

Chart E1: The Growth of The Second Economy in 1960-1990
(in billion rubles)

Sectors of the USSR Economy	Early 1960s	Late 1980s
Total for the USSR Economy	5.0	90.0
Total for Material Production	2.5	73.0
Industry	0.3	10.0
Agriculture	0.6	23.0
Transport	0.2	8.0
Construction	0.2	12.0
Trade and Distribution	1.2	17.0
Supply and Procurement	0.0	2.0
Total for Services	2.5	17.0
Housing-Communal	1.6	6.7
Health and Sports	0.5	6.2
Education	0.3	1.5
Culture and Arts	0.0	0.3
Science	0.0	0.3
State Administration	0.1	1.7

²³Tatyana Koryagina, "Tenevaya Ekonomika v SSSR," *Voprosy Ekonomiki*, N3, 1990, p. 117.

Koryagina estimated that in 1987 the total volume of personal care services not sanctioned by the state was around 14-16 billion rubles which was around one third of state services purchased by households.²⁴ Of this total, criminal activities (bribes, etc.) equaled around 4 billion rubles, while "semi-legal" service activities-- 10-12 billion rubles. According to Rutgeizer, another specialist on the second economy, the total volume of services provided by individuals amounted to 12-14 billion rubles.²⁵ G. Zoteev, a former FSU planner, reported that these services were "conventionally computed" as 2 percent of total household income, which amounted to 8 billion rubles in 1987.²⁶ The average of the three estimates was around 10 billion rubles, which is the same amount that Goskomstat officials accepted in their estimates of the official GNP.²⁷

²⁴Tatyana Koryagina, "Uslugi Tenevye i Legal'nye," *Eko*, N2, 1989, p. 60.

²⁵Valery Rutgaizer, *Pyatiletka--cheloveku*. Moscow: Politizdat, 1986, p. 49.

²⁶Gennadij Zoteev, "The National Product and Income in the Soviet Economic System," *Most*, N1, 1991, p. 76.

²⁷From the unpublished Goskomstat table "USSR GNP by sector of origin in 1985-1989."

USSR 1: 1987 Input-Output Table in Purchasers' Prices--Official Format

Millions of Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Power	Petro-	Coal	Other	Ferr.	N-Ferr.	Chem.	MBMW	Wood	Constr.	Light	Food	Other	Total	Const.
	Gas		Fuels	Metals	Metals				Paper	Mater.			Ind.	Industry	
1 Power	306	1880	554	26	1850	1560	3859	4179	874	1528	897	973	583	19069	1614
2 Petro-Gas	10341	17421	73	30	1851	748	3337	2653	988	2379	267	1393	410	41891	2370
3 Coal	3637	0	6272	3	3990	110	50	267	130	310	58	162	44	15033	89
4 Other Fuels	265	1	1	115	0	1	13	26	12	29	2	2	2	469	54
5 Ferrous Metals	94	81	163	14	19319	659	1285	20148	517	2416	113	349	188	45346	8198
6 N-Ferrous Metals	152	13	2	1	1921	14697	1062	11896	50	134	40	173	871	31012	213
7 Chemicals	120	590	274	26	604	604	20352	9720	1638	1096	5517	868	1133	42542	2687
8 MBMW	1417	376	844	33	1901	801	1776	84559	1571	1161	782	1227	666	97114	13306
9 Wood & Paper	48	34	465	7	197	159	1461	3102	13621	813	522	1758	903	23090	6260
10 Constr. Materials	51	24	75	3	94	109	340	1316	429	7756	76	493	121	10887	30829
11 Light Industry	52	45	86	5	210	99	1838	2511	1336	362	71039	1112	1433	80128	816
12 Food Industry	34	39	10	1	51	37	1054	389	81	82	616	49975	2179	54548	103
13 Other Industry	341	55	101	1	75	43	595	610	142	176	168	994	3148	6649	284
14 Total Industry	16858	20559	8920	265	32063	19627	37022	141576	21389	18242	80097	59479	11681	467778	66823
15 Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Agri. & Forestry	1	0	1	0	2	2	58	94	913	2	16684	108404	8300	134461	76
17 Production T & C	266	17049	3332	89	4005	1223	3288	8228	4131	9372	1758	4588	1013	58342	2615
18 T & D	0	2375	413	10	988	117	2614	4629	1207	827	6756	18215	1100	39251	0
19 Other Prod. Sectors	21	51	39	1	449	86	135	335	101	176	92	180	142	1808	315
20 Material Outlays	17146	40034	12705	365	37507	21055	43117	154862	27741	28619	105387	190866	22236	701640	69829
21 Depreciation	6578	7166	2605	165	4848	2823	6934	19297	3665	4252	2518	5321	2107	68279	11331
22 Total Outlays	23724	47200	15310	530	42355	23878	50051	174159	31406	32871	107905	196187	24343	769919	81160
23 Wages	1905	881	4869	172	3696	2203	4393	40548	6936	6121	9594	6822	3073	91213	41805
24 Other Earnings	99	81	220	5	141	128	146	1646	277	181	196	258	86	3464	1456
25 Business Trips	22	10	57	2	43	26	51	471	81	71	112	79	36	1061	486
26 Other Wages	77	71	163	3	98	102	95	1175	196	110	84	179	50	2403	970
27 Kolkhoz Pay	4	0	0	0	0	0	0	555	259	70	65	399	280	1635	1816
28 Social Security	299	144	511	22	417	254	657	5883	599	739	1217	842	262	11846	3967
29 Kolkhoz Soc. Sec.	1	0	0	0	0	0	0	63	29	8	7	62	32	202	18
30 Total Profit	6776	10934	2943	45	8272	6139	9973	43891	5513	4017	13567	11743	2609	126422	20074
31 Bonus Wages	286	186	295	18	372	250	560	4535	471	486	889	601	345	9294	2696
32 Turnover Tax	2557	11906	0	1	154	362	3854	11691	294	1763	20808	38146	2882	94418	0
33 Net Subsidies	0	0	-5114	0	0	0	-2686	-2224	0	0	-3630	-56099	0	-69753	0
34 Other State Income	150	4004	140	9	178	347	256	2694	76	262	81	1483	15	9695	3346
35 Kolkhoz Income	4	0	0	0	0	0	0	493	290	69	163	61	521	1607	0
36 Private Income	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2803
37 Unamortized Value	-205	-223	-81	-5	-151	-88	-216	-562	-114	-132	-78	-166	-66	-2087	-548
38 National Income	11590	27727	3488	249	12707	9345	16386	104678	14159	13098	41990	3551	9694	268662	74737
39 Total Output	35314	74927	18798	779	55062	33223	66437	278837	45565	45969	149895	199738	34037	1038581	155897
40 Import	0	331	214	0	3940	1373	8083	29907	2298	777	22117	14831	1207	85078	0
41 Total Supply	35314	75258	19012	779	59002	34596	74520	308744	47863	46746	172012	214569	35244	1123659	155897

USSR 1: 1987 Input-Output Table in Purchasers' Prices--Official Format

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	16	17	18	19	20	21	23	25	27	29	31	33	35	37	39
	Agri.	T & C	T & D	Other	TOTAL	House-	TOTAL	TOTAL	Net	Invent.	Depre-	Other	Losses	Exports	TOTAL
	Forestry			Prod.	PROD.	holds	SERV.	IN-PROD.	Fixed		ciation				USES
1 Power	1207	2252	1128	35	25305	4596	4800	9396	0	0	0	0	0	614	35315
2 Petro-Gas	3477	6938	318	24	55018	4277	4525	8802	0	91	0	1423	0	9923	75257
3 Coal	256	152	155	3	15688	256	1790	2046	0	26	0	25	0	1225	19010
4 Other Fuels	116	3	6	0	648	56	67	123	0	-4	0	6	0	6	779
5 Ferrous Metals	174	240	33	1	53992	114	1228	1342	0	-63	0	10	0	3721	59002
6 N-Ferrous Metals	9	31	7	2	31274	0	987	987	0	360	0	0	0	1972	34593
7 Chemicals	7028	1422	184	36	53899	9037	4056	13093	0	593	0	3510	19	3408	74524
8 MBMW	9387	2600	747	53	123207	29960	9309	39269	17343	1384	81434	32903	161	13044	308745
9 Wood & Paper	1020	322	606	634	31932	9813	1526	11339	558	-181	952	2	73	3189	47864
10 Constr. Materials	935	561	344	5	43561	3059	1110	4169	0	-1247	0	5	25	234	46747
11 Light Industry	833	394	493	101	82765	81260	2353	83613	170	-211	484	678	1108	3404	172011
12 Food Industry	6705	18	645	2	62021	145257	7141	152398	0	-1529	0	71	0	1607	214568
13 Other Industry	13639	359	310	816	22057	10388	1653	12041	27	156	85	0	96	781	35243
14 Total Industry	44787	15291	4976	1712	601367	298073	40546	338619	18098	-622	82956	38633	1482	43128	1123661
15 Construction	0	0	0	0	0	0	0	0	73009	2732	74395	0	5761	0	155897
16 Agri. & Forestry	47171	9	716	0	182433	57460	1187	58647	2813	7120	720	0	1707	200	253640
17 Production T & C	3075	129	423	1069	65653	0	4563	4563	0	0	0	0	0	120	70336
18 T & D	7028	0	0	1437	47716	0	0	0	0	0	0	0	0	0	47716
19 Other Prod. Sector	269	167	463	62	3084	5460	972	6432	192	192	0	0	0	903	10803
20 Material Outlays	102329	15596	6578	4280	900252	360993	47268	408261	94112	9422	158071	38633	8950	44351	1662052
21 Depreciation	19758	18128	4749	466	122711	12552	21103	33655				1706			158072
22 Total Outlays	122087	33724	11327	4746	1022963	373545	70956	444501	94112	9422	158071	40347	8950	44351	1820124
23 Wages	25244	15669	18421	1210	193562										
24 Other Earnings	490	426	225	47	6108										
25 Business Trips	294	182	214	43	2251										
26 Other Wages	196	244	11	4	3857										
27 Kolkhoz Pay	23394	39	0	132	27016										
28 Social Security	1392	1328	1257	71	19861										
29 Kolkhoz Soc. Sec.	2555	3	0	15	2793										
30 Total Profit	12341	17221	12124	1781	189963										
31 Bonus Wages	2165	956	268	35	15414										
32 Turnover Tax	0	0	28	0	94446										
33 Net Subsidies	0	0	0	0	-69753										
34 Other State Income	551	2157	4412	7	20168										
35 Kolkhoz Income	14772	0	0	19	16398										
36 Private Income	43474	0	0	1408	47685										
37 Unamortized Value	-933	-233	-77	-10	-3888										
38 National Income	123280	36610	36390	4680	544359										
39 Total Output	245367	70334	47717	9426	1567322										
40 Import	8274	0	0	1378	94730										
41 Total Supply	253641	70334	47717	10804	1662052										

USSR 2: 1987 Input-Output Table in Purchasers' Prices--NEB Format

Millions of Rubles, Current Prices

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Power	Petro-Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood	Constr. Mater.	Light Ind.	Food	Other Ind.	Total Industry	Const.
1 Power	306	1880	554	26	1850	1560	3859	4179	874	1528	897	973	583	19069	1614
2 Petro-Gas	10341	17421	73	30	1851	748	3337	2653	988	2379	267	1393	410	41891	2370
3 Coal	3637	0	6272	3	3990	110	50	267	130	310	58	162	44	15033	89
4 Other Fuels	265	1	1	115	0	1	13	26	12	29	2	2	2	469	54
5 Ferrous Metals	94	81	163	14	19319	659	1285	20148	517	2416	113	349	188	45346	8198
6 N-Ferrous Metals	152	13	2	1	1921	14697	1062	11896	50	134	40	173	871	31012	213
7 Chemicals	120	590	274	26	604	604	20352	9720	1638	1096	5517	868	1133	42542	2687
8 MBMW	1417	376	844	33	1901	801	1776	84559	1571	1161	782	1227	666	97114	13306
9 Wood & Paper	48	34	465	7	197	159	1461	3102	13621	813	522	1758	903	23090	6260
10 Constr. Materials	51	24	75	3	94	109	340	1316	429	7756	76	493	121	10887	30829
11 Light Industry	52	45	86	5	210	99	1838	2511	1336	362	71039	1112	1433	80128	816
12 Food Industry	34	39	10	1	51	37	1054	389	81	82	616	49975	2179	54548	103
13 Other Industry	34	55	101	1	75	43	595	810	142	176	168	994	3148	6649	284
14 Total Industry	168	20559	8920	265	32063	19627	37022	141576	21389	18242	80097	59479	11681	467778	66823
15 Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Agri. & Forestry	1	0	1	0	2	2	58	94	913	2	16684	108404	8300	134461	76
17 Production T & C	266	17049	3332	89	4005	1223	3288	8228	4131	9372	1758	4588	1013	58342	2615
18 T & D	0	2375	413	10	988	117	2614	4629	1207	827	6756	18215	1100	39251	0
19 Other Prod. Sectors	38	127	48	2	465	118	164	825	115	198	107	295	145	2647	924
20 Material Outlays	17163	40110	12714	366	37523	21087	43146	155352	27755	28641	105402	190981	22239	702479	70438
21 Depreciation	6578	7166	2605	165	4848	2823	6934	19297	3665	4252	2518	5321	2107	68279	11331
22 Total Outlays	23741	47276	15319	531	42371	23910	50080	174649	31420	32893	107920	196302	24346	770758	81769
23 Wages	1905	881	4869	172	3696	2203	4393	40548	6936	6121	9594	6822	3073	91213	41805
24 Other Earnings	99	81	220	5	141	128	146	1646	277	181	196	258	86	3464	1456
25 Business Trips	22	10	57	2	43	26	51	471	81	71	112	79	36	1061	486
26 Other Wages	77	71	163	3	98	102	95	1175	196	110	84	179	50	2403	970
27 Kolkhoz Pay	4	0	0	0	0	0	3	555	259	70	65	399	280	1635	1816
28 Social Security	299	144	511	22	417	254	657	5883	599	739	1217	842	262	11846	3967
29 Kolkhoz Soc. Sec.	1	0	0	0	0	0	0	63	29	8	7	62	32	202	18
30 Total Profit	6776	10934	2943	45	8272	6139	9973	43891	5513	4017	13567	11743	2609	126422	20074
31 Bonus Wages	286	186	295	18	372	250	560	4535	471	486	889	601	345	9294	2696
32 Business Services	562	907	244	4	686	509	828	3642	457	333	1146	1767	216	11303	1244
33 Turnover Tax	2557	11906	0	1	154	362	3854	11691	294	1763	20808	38146	2882	94418	0
34 Net Subsidies	0	0	-5114	0	0	0	-2686	-2224	0	0	-3630	-56099	0	-69753	0
35 Other State Income	133	3928	131	8	162	315	227	2204	62	240	65	1368	15	8858	2737
36 Business Services	133	339	41	6	74	143	131	2204	62	98	66	513	15	3825	2737
37 Other Net Income	0	3589	90	2	88	172	96	0	0	142	-1	855	0	5033	0
38 Kolkhoz Income	4	0	0	0	0	0	6	493	290	69	163	61	521	1607	0
39 Private Income	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2803
40 Unamortized Value	-205	-223	-81	-5	-151	-88	-216	-562	-114	-132	-78	-166	-66	-2087	-548
41 Net Foreign Trade	-614	-9592	-1011	-6	219	-599	4675	16863	-891	543	18713	13224	426	41950	0
42 National Income	10959	18059	2468	242	12910	8714	21032	121051	13254	13619	60687	16660	10120	309775	74128
43 Total Output	35314	74927	18798	779	55062	33223	66437	278837	45565	45969	149894	199738	34040	1038583	155897
44 Import	0	331	214	0	3940	1373	8083	29907	2298	777	22117	14831	1207	85078	0
45 Total Supply	35314	75258	19012	779	59002	34596	74520	308744	47863	46746	172011	214569	35247	1123661	155897
Note:															
46 Total State Wages	2268	1138	5327	193	4166	2555	5048	46258	7603	6717	10567	7602	3468	102910	45471

USSR 2: 1987 Input-Output Table in Purchasers' Prices--NEB Format

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	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	Agri.	T & C	T & D	Other	TOTAL	House-	Hous.	Transp.	Comm.	Educ.	Cult.	Health	E & C	Science	Bank&	State
				Prod.	PROD.	holds					Arts	Health			Insur.	Admin
1 Power	1207	2252	1128	35	25305	4596	1665	601	144	877	106	603	1586	741	13	50
2 Petro-Gas	3477	6938	318	24	55018	4277	655	2703	127	291	35	200	526	400	23	90
3 Coal	256	152	155	3	15688	256	747	31	13	508	62	349	918	60	4	17
4 Other Fuels	116	3	6	0	648	56	25	0	0	21	2	14	37	3	0	1
5 Ferrous Metals	174	240	33	1	53992	114	114	54	7	17	2	11	30	1020	0	3
6 N-Ferrous Metals	9	31	7	2	31274	0	5	9	1	10	1	7	19	954	0	0
7 Chemicals	7028	1422	184	36	53899	9037	391	400	45	146	132	1687	1965	1151	21	83
8 MBMW	9387	2600	747	53	123207	29960	648	997	113	416	50	286	752	6746	11	44
9 Wood & Paper	1020	322	606	634	31932	9813	408	72	25	252	30	173	455	506	12	49
10 Constr. Materials	935	561	344	5	43561	3059	458	53	10	140	17	96	253	328	1	7
11 Light Industry	833	394	493	101	82765	81260	323	108	26	832	101	572	1505	352	8	31
12 Food Industry	6705	18	645	2	62021	145257	157	88	0	3671	457	2692	6820	75	0	1
13 Other Industry	13639	359	310	816	22057	10388	299	105	11	421	51	290	762	337	28	111
14 Total Industry	44787	15291	4976	712	601367	298073	5896	5221	522	7602	1047	6979	15628	12671	121	487
15 Construction	0	0	0	0	0											
16 Agri. & Forestry	47171	9	716	0	182433	57460	75	4	3	595	72	409	1076	24	1	2591
17 Production T & C	3075	129	423	1069	65653	0										4563
18 T & D	7028	0	0	1437	47716	0										
19 Other Prod. Sectors	325	560	1313	63	5832	5460	68	70	28	248	25	102	375	297	27	10
20 Material Outlays	102386	15989	7428	4281	903001	360993	6039	5295	552	8444	1144	7490	17079	12992	149	7748
21 Depreciation	19758	18128	4749	466	122711		15912	4616	1261	4571	482	2562	7617	3717	80	455
22 Total Outlays	122144	34117	12177	4747	1025712	360993	21951	9910	1813	13015	1626	10052	24696	16709	229	8203
23 Wages	27705	15669	18421	3738	198551		8629	7469	2369	20648	2948	12095	35691	9746	1221	5490
24 Other Earnings	490	426	225	47	6108		272	400	90	296	72	234	602	758	68	212
25 Business Trips	322	182	214	43	2309		100	87	28	240	34	141	415	113	24	68
26 Other Wages	168	244	11	4	3799		172	313	62	56	38	93	187	645	44	144
27 Kolkhoz Pay	23394	39	0	132	27016					228	28	137	393			
28 Social Security	1515	1328	1257	292	20205		485	628	187	1549	212	851	2612	974	114	422
29 Kolkhoz Soc. Sec.	2555	3	0	15	2793					24	3	16	43			
30 Total Profit	12341	17221	12124	1781	189963		1946	1945	3464	0	0	0	0	1678	8953	0
31 Bonus Wages	2165	956	268	35	15414		569	735	275	184	96	128	408	1008	341	0
32 Business Services	1401	1529	1445	148	17069		74	74	132	0	0	0	0	64	161	0
33 Turnover Tax	0	0	28	0	94446											
34 Net Subsidies	0	0	0	0	-69753											
35 Other State Income	495	1764	3562	6	17422		240	193	88	282	128	224	634	942	142	274
36 Business Services	495	742	3562	6	11367		240	193	88	282	128	224	634	942	142	274
37 Other Net Income	0	1022	0	0	6055		0	0	0	0	0	0	0	0	0	0
38 Kolkhoz Income	14772	0	0	19	16398											
39 Private Income	43474	0	0	1408	47685											
40 Unamortized Value	-933	-233	-77	-10	-3888					-61	-37					
41 Net Foreign Trade	8074	-120	7703	475	58082											
42 National Income	133882	36097	43243	7903	605028		11572	10575	6161	23211	3487	13685	40383	14098	10498	6398
43 Total Output	247952	70334	47717	12175	1572658		33523	20485	7974	36226	5114	23737	65079	30807	10727	14601
44 Import	8274	0	0	1378	94730											
45 Total Supply	256226	70334	47717	13553	1667388		33523	20485	7974	36226	5114	23737	65077	30807	10727	14601
Note:																
46 Total State Wages	30038	16869	18700	3777	217764		0	9370	8517	2706	20888	3082	12316	36286	11398	5634

USSR 2: 1987 Input-Output Table in Purchasers' Prices--NEB Format

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	32	33	34	35	36	37	38	39	40	41
	TOTAL	Other	TOTAL	Net	Unfin.	Depre-	Invent.	Losses	Export	TOTAL
	SERV.		N-PROD.	Fixed	Const.	ciation				USES
1 Power	4800	0	4800	0		0	0	0	614	35315
2 Petro-Gas	4525	1423	5948	0		0	91	0	9923	75257
3 Coal	1790	25	1815	0		0	26	0	1225	19010
4 Other Fuels	67	6	73	0		0	-4	0	6	779
5 Ferrous Metals	1228	10	1238	0		0	-63	0	3721	59002
6 N-Ferrous Metals	987	0	987	0		0	360	0	1972	34593
7 Chemicals	4056	3510	7566	0		0	595	19	3408	74524
8 MBMW	9310	32903	42213	17343	645	81434	738	161	13044	308745
9 Wood & Paper	1527	2	1529	558		952	-181	73	3189	47865
10 Constr. Materials	1110	5	1115	0		0	-1247	25	234	46747
11 Light Industry	2353	678	3031	170		484	-211	1108	3404	172011
12 Food Industry	7141	71	7212	0		0	-1529	0	1607	214568
13 Other Industry	1653	1	1654	27		85	156	96	781	35244
14 Total Industry	40546	38634	79180	18098	645	82955	-1269	1482	43128	1123660
15 Construction	0	0	0	73009	2732	74395	0	5761	0	155897
16 Agri. & Forestry	3773	0	3773	2813		720	7121	1707	200	256227
17 Production T & C	4563	0	4563	0		0	0	0	120	70336
18 T & D	0	0	0	0		0	0	0	0	47716
19 Other Prod. Sectors	972	3	975	192		0	192	0	903	13554
20 Material Outlays	49853	38637	88490	94112	3377	158070	6044	8950	44351	1667388
21 Depreciation	33656	1706	35362							158073
22 Total Outlays	83509	40343	123852	94112	3378	158071	6044	8950	44351	1825463
23 Wages	70615	18116	88731							287282
24 Other Earnings	2402	1325	3727							9835
25 Business Trips	835	204	1039							3348
26 Other Wages	1567	1121	2688							6487
27 Kolkhoz Pay	393		393							27409
28 Social Security	5422	1772	7194							27399
29 Kolkhoz Soc. Sec.	43		43							2836
30 Total Profit	17986	2649	20635							210598
31 Bonus Wages	3336	236	3572							18986
32 Business Services	505	225	730							17799
33 Turnover Tax	0		0							94446
34 Net Subsidies	0		0							-69753
35 Other State Income	2513		2513							19935
36 Business Services	2513		2513							13880
37 Other Net Income	0		0							6055
38 Kolkhoz Income	0		0							16398
39 Private Income	0		0							47685
40 Unamortized Value	-98		-98							-3986
41 Net Foreign Trade	0									58082
42 National Income	99685	23862	123547							728575
43 Total Output	183194	64205	247399							2495956
44 Import	0		0							94730
45 Total Supply	183194	64205	234364							2590686
Note:										
46 Total State Wages	75518	19473	94991							312755

USSR 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Millions of Rubles, Current Prices

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Power	Petro-	Coal	Other	Ferr.	N-Ferr.	Chem.	MBMW	Wood	Constr.	Light	Food	Other	Total	Const.
	Gas			Fuels	Metals	Metals			Paper	Mater.			Ind.	Industry	
1 Power	306	1880	554	26	1850	1560	3859	4179	874	1528	897	973	583	19069	1614
2 Petro-Gas	10341	17421	73	30	1851	748	3337	2653	988	2379	267	1393	410	41891	2370
3 Coal	3637	0	6272	3	3990	110	50	267	130	310	58	162	44	15033	89
4 Other Fuels	265	1	1	115	0	1	13	26	12	29	2	2	2	469	54
5 Ferrous Metals	94	81	163	14	19319	659	1285	20148	517	2416	113	349	188	45346	8198
6 N-Ferrous Metals	152	13	2	1	1921	14697	1062	11896	50	134	40	173	871	31012	213
7 Chemicals	120	590	274	26	604	604	20352	9720	1638	1096	5517	868	1133	42542	2687
8 MBMW	1417	376	844	33	1901	801	1776	84559	1571	1161	782	1227	666	97114	13306
9 Wood & Paper	48	34	465	7	197	159	1461	3102	13621	813	522	1758	903	23090	6260
10 Constr. Materials	51	24	75	3	94	109	340	1316	429	7756	76	493	121	10887	30829
11 Light Industry	52	45	86	5	210	99	1838	2511	1336	362	71039	1112	1433	80128	816
12 Food Industry	34	39	10	1	51	37	1054	389	81	82	616	49975	2179	54548	103
13 Other Industry	341	55	101	1	75	43	595	810	142	176	168	994	3148	6649	284
14 Total Industry	16858	20559	8920	265	32063	19627	37022	141576	21389	18242	80097	59479	11681	467778	66823
15 Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Agri. & Forestry	1	0	1	0	2	2	58	94	913	2	16684	108404	8300	134461	76
17 Production T & C	266	17049	3332	89	4005	1223	3288	8228	4131	9372	1758	4588	1013	58342	2615
18 T & D	0	2375	413	10	988	117	2614	4629	1207	827	6756	18215	1100	39251	0
19 Other Prod. Sectors	38	127	48	2	465	118	164	825	115	198	107	295	145	2647	924
20 Material Outlays	17163	40110	12714	366	37523	21087	43146	155352	27755	28641	105402	190981	22239	702479	70438
21 Housing-Communal	225	363	98	1	275	204	331	1457	183	133	459	707	87	4521	870
22 N-Prod. Transport	36	17	93	3	70	42	84	771	132	116	182	130	58	1735	795
23 N-Prod. Commun.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Education	121	171	53	1	148	110	178	704	98	72	182	260	47	2143	439
25 Culture	27	38	12	0	32	24	39	193	22	16	42	57	10	512	101
26 Health, etc.	94	133	41	1	115	86	139	571	77	56	161	202	36	1712	377
27 Educ., Cult. & Health	242	341	105	2	295	219	356	1468	197	143	385	519	93	4366	917
28 Science	142	356	20	5	87	157	149	1719	38	72	52	104	5	2904	1192
29 Banking & Insurance	72	180	27	0	76	56	91	902	51	37	245	900	24	2661	693
30 State Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Service Outlays	717	1257	342	12	803	678	1011	6317	600	502	1323	2359	267	16188	4467
32 Defense & Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Total Outlays	17880	41367	13056	378	38326	21765	44157	161669	28355	29143	106725	193340	22506	718667	74905
34 Depreciation	6578	7166	2605	165	4848	2823	6934	19297	3665	4252	2518	5321	2107	68279	11331
35 Wages	1905	881	4869	172	3696	2203	4393	40548	6936	6121	9594	6822	3073	91213	41805
36 Other Wages	77	71	163	3	98	102	95	1175	196	110	84	179	50	2403	970
37 Kolkhoz Pay	4	0	0	0	0	0	3	555	259	70	65	399	280	1635	1816
38 Social Security	299	144	511	22	417	254	657	5883	599	739	1217	842	262	11846	3967
39 Kolkhoz Soc. Sec.	1	0	0	0	0	0	0	63	29	8	7	62	32	202	18
40 Net Profit	6214	10027	2699	41	7586	5630	9145	40249	5056	3684	12421	9976	2393	115119	18830
41 Bonus Wages	286	186	295	18	372	250	560	4535	471	486	889	601	345	9294	2696
42 Turnover Tax	2557	11906	0	1	154	362	3854	11691	294	1763	20808	38146	2882	94418	0
43 Net Subsidies	0	0	-5114	0	0	0	-2686	-2224	0	0	-3630	-56099	0	-69753	0
44 Other Net Income	0	3589	90	2	88	172	96	0	0	142	0	855	0	5034	0
45 Kolkhoz Income	4	0	0	0	0	0	6	493	290	69	163	61	521	1607	0
46 Private Income	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2803
47 Total Losses	-205	-223	-81	-5	-151	-88	-234	-723	-187	-157	-1186	-166	-162	-3568	-6309
48 Net Foreign Trade	-614	-9592	-1011	-6	219	-599	4675	16863	-891	543	18713	13224	426	41950	0
49 GNP	16820	23968	4731	395	16955	10859	26938	133870	16246	17344	60774	19622	11864	360385	75231
50 Total Output	35314	74927	18798	779	55062	33223	66420	278676	45492	45944	148786	199738	33944	1037102	150136
51 Import	0	331	214	0	3940	1373	8083	29907	2298	777	22117	14831	1207	85078	0
52 Total Supply	35314	75258	19012	779	59002	34596	74503	308583	47790	46721	170903	214569	35151	1122180	150136

USSR 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	Agri.	T & C	T & D	Other	TOTAL	Hous.	Transp	Comm.	Educ.	Cult.	Health	E & C	Science	Bank &	State	TOTAL
					Prod. PROD.					Arts	Health			Insur.	Admin.	SERV.
1 Power	1207	2252	1128	35	25305	1665	601	144	877	106	603	1586	741	13	50	4800
2 Petro-Gas	3477	6938	318	24	55018	655	2703	127	291	35	200	526	400	23	90	4525
3 Coal	256	152	155	3	15688	747	31	13	508	62	349	918	60	4	17	1790
4 Other Fuels	116	3	6	0	648	25	0	0	21	2	14	37	31	0	1	67
5 Ferrous Metals	174	240	33	1	53992	114	54	7	17	2	11	30	1020	0	3	1228
6 N-Ferrous Metals	9	31	7	2	31274	5	9	1	10	1	7	19	954	0	0	987
7 Chemicals	7028	1422	184	36	53899	391	400	45	146	132	1687	1965	1151	21	83	4056
8 MBMW	9387	2600	747	53	123207	648	997	113	416	50	286	752	6746	11	44	9310
9 Wood & Paper	1020	322	606	634	31932	408	72	25	252	30	173	455	5061	12	49	1527
10 Constr. Materials	935	561	344	5	43561	458	53	10	140	17	96	253	328	1	7	1110
11 Light Industry	833	394	493	101	82765	323	108	26	832	101	572	1505	352	8	31	2353
12 Food Industry	6705	18	645	2	62021	157	88	0	3671	457	2692	6820	75	0	1	7141
13 Other Industry	13639	359	310	816	22057	299	105	11	421	51	290	762	337	28	111	1653
14 Total Industry	44787	15291	4976	1712	601367	5896	5221	522	7602	1047	6979	15628	12671	121	487	40546
15 Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Agri. & Forestry	47171	9	716	0	182433	75	4	3	595	72	409	1076	24	1	5	1187
17 Production T & C	3075	129	423	1069	65653	0	0	0	0	0	0	0	0	0	0	0
18 T & D	7028	0	0	1437	47716	0	0	0	0	0	0	0	0	0	0	0
19 Other Prod. Sectors	325	560	1313	63	5832	68	70	28	248	25	102	375	297	27	107	972
20 Material Outlays	102386	15989	7428	4281	903001	6039	5295	552	8444	1144	7490	17079	12992	149	599	42704
21 Housing-Communal	560	612	1058	59	7680	102	74	53	86	23	54	163	56	93	42	583
22 N-Prod. Transport	737	298	350	71	3987	164	132	45	320	86	232	608	185	134	177	1476
23 N-Prod. Commun.	0	0	0	0	0	18	20	32	116	53	79	278	132	70	122	642
24 Education	571	428	207	20	3807	50	46	29	0	0	0	0	0	10	0	135
25 Culture	126	94	48	4	884	11	10	6	0	0	0	0	0	2	0	30
26 Health, etc.	445	334	178	15	3061	39	36	23	0	0	0	0	0	8	0	105
27 Educ., Cult. & Health	1141	856	433	39	7752	100	92	58	0	0	0	0	0	20	0	270
28 Science	521	429	230	11	5287	12	16	28	0	0	0	0	732	0	0	788
29 Banking & Insurance	490	258	3151	16	7270	18	20	32	0	0	0	0	14	0	0	84
30 State Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Service Outlays	3449	2453	5222	197	31976	414	354	248	522	162	365	1049	1119	327	341	3852
32 Defense & Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Total Outlays	105835	18442	12650	4478	934977	6453	5649	800	8966	1306	7855	18128	14111	476	940	46556
34 Depreciation	19758	18128	4749	466	122711	15912	4616	1261	4571	482	2562	7615	3717	80	455	33656
35 Wages	27705	15669	18421	3738	198551	8629	7469	2369	20648	2948	12095	35691	9746	1221	5490	70615
36 Other Wages	168	244	11	4	3799	172	313	62	56	38	93	187	645	44	144	1567
37 Kolkhoz Pay	23184	39	0	132	26806	0	0	0	228	28	137	393	0	0	0	393
38 Social Security	1515	1328	1257	292	20205	485	628	187	1549	212	851	2612	974	114	422	5422
39 Kolkhoz Soc. Sec.	2555	3	0	15	2793	0	0	0	24	3	16	43	0	0	0	43
40 Net Profit	10940	15692	10678	1633	172892	1873	1871	3332	0	0	0	0	1614	8792	0	17482
41 Bonus Wages	2165	956	268	35	15414	569	735	275	184	96	128	408	1008	341	0	3336
42 Turnover Tax	0	0	28	0	94446											0
43 Net Subsidies	0	0	0	0	-69753											0
44 Other Net Income	0	1022	0	0	6056	0	0	0	0	0	0	0	0	0	0	0
45 Kolkhoz Income	13751	0	0	19	15377				0	0	0	0				0
46 Private Income	43474	0	0	1408	47685	3750	1500	0	1650	250	2500	4400				9650
47 Total Losses	-2640	-233	-77	-10	-12837		-61	-37								-98
48 Net Foreign Trade	8074	-120	7703	475	58082									2507		2507
49 GNP	148484	51772	42770	8172	686813	30821	16337	7174	28910	4057	18382	51349	16696	12758	6511	141645
50 Total Output	246245	70334	47717	12175	1563708	37273	21985	7974	37876	5364	26237	69477	30807	10727	7451	188201
51 Import	8274	0	0	1378	94730											0
52 Total Supply	254519	70334	47717	13553	1658438	37273	21985	7974	37876	5364	26237	69477	30807	10727	7451	185694

USSR 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	32	33	34	35	36	37	38	39	40	41	42	43	44
	Defense	TOTAL	House-	-/-	-/-	Govern.	Defense	Total	Invent.	Net	GNP	Export	TOTAL
	& Other	OUTLAY	holds	Paid	Free		&Other	Fixed		Export.			USES
1 Power	0.	30105	4596	4596	0	0	0	0	0	0	4596	614	35315
2 Petro-Gas	1423	60966	4277	4277	0	0	0	0	91	0	4368	9923	75257
3 Coal	25	17503	256	256	0	0	0	0	26	0	282	1225	19010
4 Other Fuels	6	721	56	56	0	0	0	0	-4	0	52	6	779
5 Ferrous Metals	10	55230	114	114	0	0	0	0	-63	0	51	3721	59002
6 N-Ferrous Metals	0	32261	0	0	0	0	0	0	360	0	360	1972	34593
7 Chemicals	3510	61465	9037	9037	0	0	0	0	595	0	9632	3408	74505
8 MBMW	32903	165420	29960	29960	0	0	0	99422	738	0	130120	13044	308584
9 Wood & Paper	2	33461	9813	9813	0	0	0	1510	-181	0	11142	3189	47792
10 Constr. Materials	5	44676	3059	3059	0	0	0	0	-1247	0	1812	234	46722
11 Light Industry	1658	86776	80280	80280	0	0	0	654	-211	0	80723	3404	170903
12 Food Industry	3531	72693	141797	141797	0	0	0	0	-1529	0	140268	1607	214568
13 Other Industry	1	23711	10388	10388	0	0	0	112	156	0	10656	781	35148
14 Total Industry	43074	684987	293633	293633	0	0	0	101698	-1269	0	394062	43128	1122177
15 Construction	0	0	0	0	0	0	0	150136	0	0	150136	0	150136
16 Agri. & Forestry	370	183990	57460	57090	0	2586	0	3533	7121	0	70330	200	254520
17 Production T & C	0	65653	0	0	0	4563	0	0	0	0	4563	120	70336
18 T & D	0	47716	0	0	0	0	0	0	0	7703	7703	0	47716
19 Other Prod. Sectors	3	6807	5460	5460	0	0	0	191	192	0	5843	903	13553
20 Material Outlays	43447	989152	356553	356183	0	7149	0	255558	6044	7703	632637	44351	1658437
21 Housing-Communal	272	8535	26245	12383	13862	1803	690				28738		37273
22 N-Prod. Transport	116	5578	13196	13196	0	0	3211				16407		21985
23 N-Prod. Communic.	41	683	3290	3290	0	2252	1749				7291		7974
24 Education	0	3942	33934	2678	31256	0	0				33934		37876
25 Culture	0	914	4443	2194	2249	0	0				4443		5357
26 Health, etc.	0	3167	23067	5985	17082	0	0				23067		26234
27 Educ., Cult. & Health	0	8023	61444	10857	50587	0	0				61444		69467
28 Science	0	6075	0	0	0	6537	18195				24732		30807
29 Banking & Insurance	0	7353	3374	3374	0	0	0			2507	5881		13234
30 State Admin.	0	0	4642	4642	0	2809	0				7451		7451
31 Service Outlays	429	36257	112191	47742	64449	13401	23845	0	0	2507	151944	0	185694
32 Defense & Other	0	0	0	0	0	0	69015				69015		69015
33 Total Outlays	43876	1025409	468744	403925	64449	20550	92860	255558	6044	10210	853597	44351	1913147
34 Depreciation	1706	158073											
35 Wages	18116	287282											
36 Other Wages	1116	2688											
37 Kolkhoz Pay		27199											
38 Social Security	1772	27399											
39 Kolkhoz Soc. Sec.		2836											
40 Net Profit	2429	192803											
41 Bonus Wages	236	18986											
42 Turnover Tax		94446											
43 Net Subsidies		-69753											
44 Other Net Income		6056											
45 Kolkhoz Income		15377											
46 Private Income		57335											
47 Total Losses		-12935											
48 Net Foreign Trade		60589											
49 GNP	25139	853596											
50 Total Output	69015	1820925											
51 Import		94730											
52 Total Supply	69015	1913147											

Armenia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	1.1	0.0	0.0	0.0	1.0	26.1	56.6	49.3	3.7	22.2	14.9	9.7	3.0	187.7
2 Petro-Gas	129.0	0.0	0.0	0.0	0.4	6.2	14.7	26.8	3.4	28.8	5.3	11.2	1.9	227.6
3 Coal	5.0	0.0	0.0	0.0	0.0	0.0	1.5	1.0	0.0	0.9	0.1	0.2	0.0	8.7
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
5 Ferrous Metals	0.5	0.0	0.0	0.0	13.5	5.7	6.6	138.3	3.8	35.7	0.7	0.8	0.8	206.4
6 N-Ferrous Metals	0.1	0.0	0.0	0.0	0.1	141.8	14.4	148.9	0.1	1.1	0.1	1.6	16.0	324.1
7 Chemicals	1.6	0.0	0.0	0.0	0.1	9.6	239.0	95.0	7.7	8.8	100.1	34.9	7.7	504.5
8 MBMW	35.8	0.0	0.0	0.0	1.3	9.7	9.5	1002.5	5.3	17.5	14.4	7.6	2.7	1106.3
9 Wood & Paper	0.3	0.0	0.0	0.0	0.2	4.8	13.1	22.8	61.2	5.2	7.3	20.6	4.8	140.4
10 Constr. Materials	0.4	0.0	0.0	0.0	0.0	0.6	2.9	22.6	2.2	102.4	1.3	8.1	2.8	143.4
11 Light Industry	0.4	0.0	0.0	0.0	0.3	0.9	17.5	16.8	10.4	2.9	1159.6	2.3	3.5	1214.6
12 Food Industry	0.1	0.0	0.0	0.0	0.1	0.5	10.8	3.1	0.2	0.4	2.1	710.3	20.6	748.2
13 Other Industry	3.4	0.0	0.0	0.0	0.0	0.1	2.7	7.9	1.1	2.1	4.2	7.5	38.5	67.5
14 Total Industry	177.8	0.0	0.0	0.0	17.1	205.9	389.3	1535.1	98.9	228.0	1310.1	814.9	102.3	4879.4
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.3	5.6	0.9	0.6	0.0	38.7	784.8	58.0	888.9
17 Production T & C	1.2	68.5	1.2	0.0	3.6	4.5	23.1	56.1	8.9	105.5	16.2	26.7	2.9	318.4
18 T & D	0.0	29.4	0.3	0.0	3.8	1.8	26.9	45.8	9.7	11.5	65.3	162.7	14.7	372.0
19 Other Prod. Sectors	1.0	0.0	0.0	0.0	3.0	6.0	0.6	10.0	2.3	2.3	3.5	7.4	0.9	37.1
20 Material Outlays	180.0	97.9	1.6	0.0	27.5	218.5	445.5	1647.9	120.4	347.3	1433.8	1796.6	178.9	6495.8
21 Housing-Communal	2.1	0.0	0.0	0.0	0.4	1.8	3.7	14.8	2.0	2.1	10.0	6.2	1.8	44.8
22 N-Prod. Transport	0.3	0.0	0.0	0.0	0.1	0.4	0.9	7.9	1.4	1.8	4.0	1.1	1.2	19.2
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	1.1	0.0	0.0	0.0	0.2	1.0	2.0	7.2	1.1	1.1	4.0	2.3	1.0	20.9
25 Culture	0.2	0.0	0.0	0.0	0.0	0.2	0.4	2.0	0.2	0.2	0.9	0.5	0.2	5.0
26 Health, etc.	0.9	0.0	0.0	0.0	0.2	0.7	1.6	5.8	0.8	0.9	3.5	1.8	0.8	16.9
27 Educ., Cult. & Health	2.3	0.0	0.0	0.0	0.4	1.9	4.0	15.0	2.1	2.2	8.4	4.5	1.9	42.8
28 Science	1.3	0.0	0.0	0.0	0.1	1.4	1.7	17.5	0.4	1.1	1.1	0.9	0.1	25.6
29 Banking & Insurance	0.7	0.0	0.0	0.0	0.1	0.5	1.0	9.2	0.5	0.6	5.3	7.9	0.5	26.3
30 State Admin.														
31 Service Outlays	6.7	0.0	0.0	0.0	1.1	5.9	11.4	64.4	6.5	7.8	28.9	20.6	5.6	158.7
32 Defense & Other														
33 Total Outlays	186.7	97.9	1.6	0.0	28.6	224.4	456.9	1712.2	126.9	355.0	1462.6	1817.2	184.5	6654.6
34 Depreciation	62.9	0.0	0.0	0.0	2.9	44.4	90.0	194.8	10.5	56.6	48.3	51.6	11.0	573.0
35 Wages	17.1	0.0	0.0	0.0	3.9	33.6	60.1	495.3	29.2	98.4	246.4	73.9	40.9	1098.8
36 Other Wages	0.3	0.0	0.0	0.0	0.1	0.9	1.2	11.3	0.7	2.2	4.6	1.5	0.8	23.6
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.2	0.0	0.2	0.3	1.4
38 Social Security	2.9	0.0	0.0	0.0	0.4	4.0	7.6	64.1	2.4	10.8	34.4	9.1	3.5	139.2
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2
40 Net Profit	52.4	0.0	0.0	0.0	2.8	45.7	87.1	438.7	38.0	47.9	226.9	94.7	23.4	1057.6
41 Bonus Wages	3.2	0.0	0.0	0.0	0.3	3.7	7.3	47.1	2.3	5.5	25.8	5.6	5.1	106.0
42 Turnover Tax	21.0	0.0	0.0	0.0	0.3	2.8	50.4	65.1	1.4	26.2	377.9	485.9	222.6	1253.6
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	0.0	-5.6	-0.8	0.0	0.0	-14.2	-338.3	0.0	-358.9
44 Other Net Income	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0	0.0	2.5	0.0	4.0	0.0	9.5
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.6	0.1	-4.5
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-3.3	0.0	0.0	0.0	-0.1	-2.0	-4.3	-9.2	-0.6	-2.8	-20.0	-2.6	-0.7	-45.7
48 Net Foreign Trade	-32.2	354.5	14.0	0.1	232.3	5.9	-50.8	-94.1	122.8	39.7	-483.7	9.4	-112.9	5.0
49 G N P	121.1	354.5	14.0	0.1	242.5	136.8	237.3	1165.9	204.6	281.7	420.6	384.9	189.0	3752.8
50 Total Output	339.9	97.9	1.6	0.0	38.8	355.3	744.9	2972.2	208.8	597.1	2366.9	2192.6	486.3	10402.3
51 Import	4.6	354.5	14.0	0.1	251.8	126.7	390.8	933.9	142.1	81.4	1065.8	593.4	140.1	4099.2
52 Total Supply	344.5	452.4	15.6	0.1	290.6	482.1	1135.7	3906.0	350.9	678.5	3432.7	2786.1	626.5	14501.6

Armenia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricul	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Science	
						Prod.	PROD.						Health	
1 Power	7.1	7.1	11.2	11.4	0.7	225.2	9.8	5.3	1.0	6.3	0.8	4.3	11.4	2.0
2 Petro-Gas	29.9	23.3	56.0	1.9	0.4	339.1	4.1	37.4	3.6	5.8	0.7	4.0	10.4	1.9
3 Coal	0.1	0.8	1.6	0.1	0.0	11.3	0.1	0.1	0.0	0.1	0.0	0.1	0.2	0.2
4 Other Fuels	0.5	0.5	0.0	0.0	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	65.1	2.1	0.9	0.1	0.0	274.7	0.8	0.3	0.0	0.1	0.0	0.0	0.1	3.8
6 N-Ferrous Metals	2.3	0.1	0.2	0.0	0.0	326.8	0.0	0.1	0.0	0.1	0.0	0.0	0.1	2.9
7 Chemicals	18.4	30.6	12.0	2.6	0.9	568.9	2.1	5.4	1.1	1.5	1.3	17.3	20.1	2.9
8 MBMW	118.4	24.0	16.4	8.4	3.0	1276.6	4.3	13.5	1.7	5.1	0.6	3.5	9.3	21.5
9 Wood & Paper	49.7	2.7	1.0	6.1	12.5	212.3	1.6	0.8	0.0	1.7	0.2	1.1	3.0	1.4
10 Constr. Materials	360.3	12.1	8.8	3.8	0.1	528.4	8.1	0.4	0.1	1.8	0.2	1.2	3.2	1.7
11 Light Industry	4.1	3.2	1.4	6.2	2.3	1231.8	1.0	0.8	0.1	10.3	1.2	7.1	18.6	1.8
12 Food Industry	0.5	15.7	0.1	7.0	0.0	771.5	1.3	0.5	0.0	29.4	3.7	21.6	54.7	0.2
13 Other Industry	0.7	101.5	1.7	3.8	21.4	196.6	1.9	1.0	0.0	6.3	0.8	4.3	11.4	0.6
14 Total Industry	657.2	223.7	111.4	51.4	41.3	5964.4	35.2	65.6	7.6	78.8	9.5	54.2	142.5	40.9
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.0	265.1	0.3	2.6	0.0	1156.9	0.3	0.0	0.0	2.4	0.3	1.7	4.4	0.1
17 Production T & C	13.4	11.0	1.6	2.2	1.5	348.0								
18 T & D	0.0	44.9	0.0	0.0	10.0	426.9								
19 Other Prod. Sectors	3.5	5.4	0.3	15.0	0.9	62.2	0.0	0.5	0.0	1.3	0.2	0.9	2.3	3.0
20 Material Outlays	674.0	550.1	113.6	71.2	53.7	7958.4	35.5	66.1	7.6	82.5	10.0	56.7	149.2	44.0
21 Housing-Communal	4.1	6.9	2.7	10.1	0.2	68.8	0.8	0.7	1.1	0.8	0.3	0.6	1.8	0.6
22 N-Prod. Transport	3.8	9.1	1.3	3.8	0.2	37.3	1.3	1.2	0.9	3.1	1.1	2.7	6.9	1.8
23 N-Pr.d. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	1.1	0.7	0.9	2.7	1.4
24 Education	2.1	7.1	1.9	2.2	0.1	34.1	0.4	0.4	0.6	0.0	0.0	0.0	0.0	0.0
25 Culture	0.5	1.6	0.4	0.5	0.0	8.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	1.8	5.5	1.5	1.9	0.1	27.6	0.3	0.3	0.5	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	4.3	14.1	3.7	4.6	0.1	69.7	0.8	0.8	1.2	0.0	0.0	0.0	0.0	0.0
28 Science	5.6	6.4	1.9	1.7	0.0	41.3	0.1	0.1	0.6	0.0	0.0	0.0	0.0	7.1
29 Banking & Insurance	3.3	6.1	1.1	35.9	0.1	72.7	0.1	0.2	0.7	0.0	0.0	0.0	0.0	0.1
30 State Admin.														
31 Service Outlays	21.1	42.6	10.7	56.1	0.7	289.9	3.4	3.2	5.1	5.1	2.0	4.2	11.3	11.0
32 Defense & Other														
33 Total Outlays	695.1	592.7	124.3	127.2	54.4	8248.3	38.9	69.3	12.7	87.6	12.0	60.9	160.5	55.0
34 Depreciation	94.4	103.1	77.9	30.9	3.0	882.3	131.1	50.8	14.5	30.6	3.2	17.2	51.0	25.0
35 Wages	410.1	284.5	103.4	133.5	47.8	2078.0	86.1	57.0	27.8	281.3	41.3	107.7	430.3	104.1
36 Other Wages	5.0	2.3	1.3	1.3	0.3	33.7	1.7	2.1	0.8	1.3	0.4	1.2	2.9	2.4
37 Kolkhoz Pay	4.7	144.0	0.0	0.0	0.0	150.1				2.7	0.3	1.7	4.7	
38 Social Security	40.4	13.0	9.8	10.5	3.3	216.1	4.8	4.8	2.2	20.4	3.0	7.8	31.2	13.0
39 Kolkhoz Soc. Sec.	0.1	15.0	0.0	0.0	0.0	15.2				0.3	0.0	0.2	0.5	
40 Net Profit	171.5	31.0	70.7	123.8	-4.9	1449.6	14.6	18.6	39.6	0.0	0.0	0.0	0.0	18.9
41 Bonus Wages	15.0	13.0	6.9	3.3	0.9	145.1	5.8	7.1	3.2	2.2	1.2	1.5	4.9	11.4
42 Turnover Tax	0.0	0.0	0.0	0.2	0.0	1253.8								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-358.9								
44 Other Net Income	0.0	0.0	4.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	53.7	0.0	0.0	0.0	49.1								
46 Private Income	29.3	594.8	0.0	0.0	17.1	641.2	25.0	15.0	0.0	20.0	4.0	19.0	43.0	
47 Total Losses	-13.1	-16.0	-0.8	-0.4	0.0	-76.0		-0.6	-0.3					
48 Net Foreign Trade		130.7		-539.0	-1.2	-404.5								
49 G N P	742.3	1356.0	266.3	-239.3	65.3	5943.4	263.3	147.7	84.6	358.8	53.4	156.3	568.5	163.4
50 Total Output	1437.4	1818.0	390.6	426.9	120.9	14596.2	302.2	217.0	97.3	446.4	65.4	217.1	729.0	218.4
51 Import	0.0	145.5	0.0	0.0	4.6	4249.3								
52 Total Supply	1437.4	1963.5	390.6	426.9	125.5	18845.5	302.2	217.0	97.3	446.4	65.4	217.1	729.0	218.4

Armenia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & State	TOTAL	Defense	TOTAL	House-	-/-	-/-	Govern.	Defense	Total	Invent.	Net	G N P	
	Insur.	Admin.	SERV.	& Othe	OUTLAY	holds	Paid	Free	& Other	Fixed		Export		
1 Power	0.2	0.6	30.3	0.0	255.5	52.2	52.2			0.0	0.0	0.0	52.2	
2 Petro-Gas	0.3	1.1	58.8	3.5	401.4	57.4	57.4			0.0	-6.5	0.0	51.0	
3 Coal	0.1	0.1	0.8	0.0	12.1	3.5	3.5			0.0	-0.1	0.0	3.4	
4 Other Fuels	0.0	0.0	0.2	0.0	1.4	0.0	0.0			0.0	-1.3	0.0	-1.3	
5 Ferrous Metals	0.0	0.1	5.1	0.0	279.8	1.7	1.7			0.0	-10.4	0.0	-8.7	
6 N-Ferrous Metals	0.0	0.0	3.1	0.0	329.9	0.0	0.0			0.0	31.5	0.0	31.5	
7 Chemicals	0.2	0.9	32.7	11.3	612.9	94.6	94.6			0.0	-13.4	0.0	81.2	
8 MBMW	0.2	0.6	51.1	342.6	1670.3	313.4	313.4			867.6	26.5	0.0	1207.5	
9 Wood & Paper	0.2	0.6	7.6	0.0	219.9	97.9	97.9			26.9	-13.1	0.0	111.7	
10 Constr. Materials	0.0	0.2	13.7	0.0	542.1	66.4	66.4			0.0	28.3	0.0	94.7	
11 Light Industry	0.1	0.3	22.7	19.7	1274.2	687.8	687.8			0.7	-79.4	0.0	609.1	
12 Food Industry	0.0	0.0	56.7	20.5	848.7	1366.4	1366.4			0.0	-13.0	0.0	1353.4	
13 Other Industry	0.2	0.7	15.8	0.0	212.4	137.0	137.0			0.9	23.1	0.0	161.0	
14 Total Industry	1.5	5.2	298.5	397.6	6660.5	2878.6	2878.5			896.0	-27.9	0.0	3746.7	
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0			1437.4	0.0	0.0	1437.4	
16 Agri. & Forestry	0.0	0.1	4.9	4.2	1166.0	731.3	731.3		62.5	23.6	-34.5	0.0	782.9	
17 Production T & C	0.0	0.0	0.0	0.0	348.0	0.0	0.0		42.6	0.0	0.0	0.0	42.6	
18 T & D	0.0	0.0	0.0	0.0	426.9	0.0	0.0			0.0	0.0	-539.0	-539.0	
19 Other Prod. Sectors	0.2	0.5	6.5	0.0	68.7	52.0	52.0			0.4	-1.4	0.0	51.0	
20 Material Outlays	1.7	5.8	309.9	401.8	8670.1	3661.9	3661.8	0.0	105.1	0.0	2357.4	-63.7	-539.0	5521.7
21 Housing-Communal	0.4	0.6	6.0	4.4	79.2	196.1	87.3	108.8	20.1	6.8				223.0
22 N-Prod. Transport	0.6	2.7	15.5	1.9	54.7	142.9	142.9	0.0	0.0	31.6		-12.2	162.3	
23 N-Prod. Communic.	0.5	1.9	7.4	0.7	8.1	38.0	38.0	0.0	35.8	23.8		-8.4	89.2	
24 Education	0.0	0.0	1.4	0.0	35.6	410.8	25.9	384.9	0.0	0.0			410.8	
25 Culture	0.0	0.0	0.4	0.0	8.3	57.1	19.8	37.3	0.0	0.0			57.1	
26 Health, etc.	0.0	0.0	1.1	0.0	28.7	210.5	41.8	168.7	0.0	0.0		-22.1	188.4	
27 Educ., Cult. & Health	0.0	0.0	2.9	0.0	72.6	678.4	87.5	590.9	0.0	0.0			678.4	
28 Science	0.0	0.0	7.8	0.0	49.2	0.0	0.0	0.0	41.5	86.7		41.0	169.2	
29 Banking & Insurance	0.0	0.0	1.1	0.0	73.8	35.8	35.8	0.0	0.0	0.0		15.0	50.8	
30 State Admin.						47.7	47.7	0.0	29.7	0.0			77.4	
31 Service Outlays	1.5	5.2	40.7	7.0	337.6	1138.9	439.2	699.7	127.1	148.9	0.0	0.0	13.3	1428.2
32 Defense & Other										705.4				705.4
33 Total Outlays	3.2	11.0	350.6	408.8	9007.7	4800.7	4101.0	699.7	232.2	854.3	2357.4	-63.7	-525.7	7655.2
34 Depreciation	0.4	2.1	274.9	38.5	1195.7									
35 Wages	9.8	58.4	773.5	222.6	3074.1									
36 Other Wages	0.4	1.9	12.2	8.3	54.2									
37 Kolkhoz Pay			4.7		154.8									
38 Social Security	0.7	4.0	60.7	27.2	304.0									
39 Kolkhoz Soc. Sec.			0.5		15.7									
40 Net Profit	95.1	0.0	186.8	0.0	1636.4									
41 Bonus Wages	3.3	0.0	35.7		180.8									
42 Turnover Tax			0.0		1253.8									
43 Net Subsidies			0.0		-358.9									
44 Other Net Income	0.0	0.0	0.0		13.5									
45 Kolkhoz Income			0.0		49.1									
46 Private Income			83.0		724.2									
47 Total Losses			-0.9		-76.9									
48 Net Foreign Trade	15.0		15.0		-389.5									
49 G N P	121.4	66.4	1415.3	296.6	7655.2									
50 Total Output	109.6	77.4	1750.9	705.4	17052.5									
51 Import			0.0		4249.3									
52 Total Supply	109.6	77.4	1750.9	705.4	21301.8									

Armenia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
		USES
1 Power	36.8	344.6
2 Petro-Gas	0.0	452.4
3 Coal	0.0	15.6
4 Other Fuels	0.0	0.1
5 Ferrous Metals	19.5	290.5
6 N-Ferrous Metals	120.8	482.1
7 Chemicals	441.6	1135.7
8 MBMW	1028.0	3905.8
9 Wood & Paper	19.3	350.9
10 Constr. Materials	41.7	678.5
11 Light Industry	1549.5	3432.8
12 Food Industry	584.0	2786.1
13 Other Industry	253.0	626.4
14 Total Industry	4094.2	14501.5
15 Construction	0.0	1437.4
16 Agri. & Forestry	14.8	1963.6
17 Production T & C	0.0	390.6
18 T & D	0.0	426.9
19 Other Prod. Sectors	5.8	125.5
20 Material Outlays	4114.8	18845.5
21 Housing-Communal		302.2
22 N-Prod. Transport		217.0
23 N-Prod. Communic.		97.3
24 Education		446.4
25 Culture		65.4
26 Health, etc.		217.1
27 Educ., Cult. & Health		728.9
28 Science		218.4
29 Banking & Insurance		109.6
30 State Admin.		77.4
31 Service Outlays	0.0	1750.8
32 Defense & Other		705.4
33 Total Outlays	4114.8	21301.7
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Azerbaijan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood & Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	3.9	52.2	0.0	0.0	6.1	46.8	67.5	31.2	4.2	17.5	13.5	11.9	1.8	256.5
2 Petro-Gas	163.3	1056.9	0.0	0.0	14.6	1.0	49.6	24.3	1.2	30.2	14.9	15.5	0.6	1372.2
3 Coal	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.9	0.0	0.2	0.1	0.1	0.0	2.1
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	0.2	8.9	0.0	0.0	137.5	2.6	17.6	198.7	1.7	35.5	4.2	1.1	0.3	408.3
6 N-Ferrous Metals	0.2	0.7	0.0	0.0	0.3	182.2	3.6	68.8	0.0	0.7	0.3	2.9	27.2	287.1
7 Chemicals	2.2	23.3	0.0	0.0	0.5	1.4	310.2	78.0	8.0	12.1	63.8	11.6	5.5	516.6
8 MBMW	5.0	12.8	0.0	0.0	6.9	2.0	26.2	882.5	11.8	19.1	15.5	17.0	4.9	1003.7
9 Wood & Paper	0.7	0.7	0.0	0.0	0.3	1.5	23.7	19.5	136.9	4.8	4.3	30.5	6.4	229.2
10 Constr. Materials	0.6	2.0	0.0	0.0	0.1	0.2	8.7	7.6	3.8	92.5	1.9	9.1	0.1	126.7
11 Light Industry	0.5	1.2	0.0	0.0	0.3	0.4	39.8	16.8	14.5	7.3	1493.6	41.1	5.4	1620.8
12 Food Industry	0.3	0.6	0.0	0.0	0.1	0.3	8.7	2.6	0.3	0.4	1.4	1318.5	4.9	1338.2
13 Other Industry	0.4	7.8	0.0	0.0	0.8	0.5	4.5	4.1	1.5	1.7	4.7	8.2	110.6	144.9
14 Total Industry	177.4	1167.1	0.0	0.0	167.6	239.0	560.9	1334.9	183.8	222.1	1618.0	1467.7	167.8	7306.3
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.7	0.0	947.0	1633.6	25.5	2607.2
17 Production T & C	0.0	176.6	0.0	0.1	58.9	11.7	76.5	105.3	42.5	57.1	47.1	94.1	17.3	687.2
18 T & D	0.0	37.5	2.2	0.0	12.3	4.5	36.7	78.8	24.8	69.3	128.9	213.6	9.9	618.4
19 Other Prod. Sectors	4.0	10.6	0.0	0.0	3.0	1.1	7.2	16.9	4.3	9.4	5.1	5.3	6.4	73.3
20 Material Outlays	181.4	1391.8	2.2	0.1	241.8	256.4	681.6	1536.1	256.1	357.9	2746.2	3414.3	226.8	11292.4
21 Housing-Communal	6.9	6.0	0.0	0.0	2.0	1.5	4.5	16.0	4.6	8.0	11.4	14.1	7.2	82.2
22 N-Prod. Transport	1.1	0.3	0.0	0.0	0.5	0.3	1.1	9.0	3.4	7.9	5.3	3.0	4.8	36.7
23 N-Prod. Commun.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	3.7	2.8	0.0	0.0	1.1	0.8	2.4	10.2	2.5	5.9	5.2	6.9	3.8	45.4
25 Culture	0.8	0.6	0.0	0.0	0.2	0.2	0.5	2.2	0.6	1.1	1.2	1.3	0.8	9.6
26 Health, etc.	2.9	2.2	0.0	0.0	0.8	0.7	1.9	6.7	2.0	3.8	4.7	4.6	3.0	33.1
27 Educ., Cult. & Health	7.4	5.6	0.0	0.0	2.1	1.7	4.8	19.1	5.0	10.8	11.1	12.8	7.7	88.1
28 Science	4.3	5.9	0.0	0.0	0.6	1.2	2.0	19.0	1.0	4.8	3.7	3.3	0.4	46.3
29 Banking & Insurance	2.2	3.0	0.0	0.0	0.5	0.4	1.2	10.5	1.3	2.5	7.2	20.5	2.0	51.3
30 State Admin.														0.0
31 Service Outlays	21.9	20.8	0.0	0.0	5.8	5.2	13.6	73.6	15.2	34.0	38.7	53.6	22.1	304.5
32 Defense & Other														0.0
33 Total Outlays	203.2	1412.6	2.2	0.1	247.6	261.5	695.2	1609.7	271.3	391.8	2784.9	3467.9	248.9	11596.9
														0.0
34 Depreciation	153.8	205.2	0.0	0.0	20.0	19.1	78.3	221.6	7.7	69.5	81.2	131.4	10.7	998.4
35 Wages	35.4	50.6	0.0	0.0	59.7	27.4	94.8	329.3	36.5	102.9	209.8	128.3	23.6	1098.3
36 Other Wages	0.4	0.4	0.0	0.0	0.3	0.3	0.8	7.0	0.5	0.7	2.0	1.9	0.4	14.7
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.4	0.1	0.2	0.8	0.7	6.1
38 Social Security	3.6	4.7	0.0	0.0	4.3	5.7	18.6	52.1	3.8	9.2	24.5	13.2	2.3	141.8
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.1	0.1	0.8
40 Net Profit	61.4	171.3	0.0	0.0	3.1	-2.8	48.7	342.8	18.2	62.6	211.0	212.1	26.3	1154.6
41 Bonus Wages	3.1	7.2	0.0	0.0	1.9	2.5	7.1	26.6	2.1	4.2	8.6	7.4	1.7	72.4
42 Turnover Tax	43.8	554.1	0.0	0.0	0.2	2.6	43.7	125.6	2.1	15.6	609.7	736.0	76.5	2209.8
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	0.0	-23.0	-8.6	0.0	0.0	-115.6	-275.9	0.0	-423.1
44 Other Net Income	0.0	57.0	0.0	0.0	5.0	5.0	7.0	0.0	0.0	40.0	0.0	24.0	0.0	138.0
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	-0.6	-0.8	-0.7	-2.4
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-0.1	-0.3	0.0	0.0	0.0	0.0	-0.3	-1.8	-1.0	-0.4	-3.4	-0.1	-1.2	-8.7
48 Net Foreign Trade	-5.3	-693.7	5.1	0.1	282.6	-23.8	-102.8	331.8	169.4	85.7	-654.8	-549.4	20.7	-1134.4
49 G N P	292.9	349.3	5.1	0.1	375.1	33.4	165.7	1404.0	237.6	385.7	364.1	421.5	159.4	4193.9
50 Total Output	501.5	2455.6	2.2	0.1	340.0	318.8	963.7	2681.9	339.5	691.8	3803.8	4438.9	387.6	16925.3
51 Import	28.6	445.6	5.1	0.1	380.7	109.3	525.2	1238.8	193.4	134.5	1130.4	983.5	127.3	5302.5
52 Total Supply	530.1	2901.2	7.3	0.2	720.7	428.1	1488.9	3920.7	532.9	826.3	4934.2	5422.4	514.9	22227.8

Azerbaijan 3: 198 Azerbaijan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agric.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. &	Science
	Prod.					PROD.								
1 Power	50.1	10.1	30.4	17.9	0.4	365.5	15.0	18.9	1.7	24.2	2.9	16.6	43.7	1.8
2 Petro-Gas	41.6	59.8	77.9	4.1	0.2	1555.7	8.1	78.7	2.1	17.5	2.1	12.0	31.7	2.0
3 Coal	0.1	0.9	0.3	0.1	0.0	3.4	0.0	0.2	0.0	1.7	0.2	1.1	3.0	0.1
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.0
5 Ferrous Metals	191.0	2.4	0.9	0.0	0.0	602.6	0.8	0.8	0.0	0.1	0.0	0.0	0.1	4.3
6 Non-Ferrous Metals	2.3	0.6	0.1	0.0	0.0	290.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.6
7 Chemicals	90.9	96.8	10.2	0.3	1.5	716.2	2.6	10.8	0.5	2.2	2.0	26.1	30.4	2.9
8 MBMW	225.7	87.0	21.2	8.1	0.8	1346.4	8.3	24.8	1.3	5.4	0.7	3.7	9.8	13.9
9 Wood & Paper	72.1	6.2	1.4	11.0	13.1	333.1	0.9	0.7	0.5	4.1	0.5	2.9	7.5	1.2
10 Constr. Materials	517.1	13.3	5.9	12.1	0.2	675.3	2.9	0.4	0.0	0.3	0.0	0.2	0.6	0.8
11 Light Industry	13.0	25.1	1.9	10.3	2.4	1673.5	1.7	1.3	0.3	5.2	0.6	3.6	9.4	1.2
12 Food Industry	1.3	62.5	0.7	7.3	0.0	1409.9	5.5	1.4	0.0	33.7	4.2	24.7	62.6	0.1
13 Other Industry	1.4	93.9	2.2	4.3	8.7	255.4	3.7	0.7	0.0	12.7	1.5	8.7	22.9	0.4
14 Total Industry	1206.4	458.7	153.0	75.5	27.4	9227.3	49.5	138.8	6.4	107.2	14.9	99.8	221.9	30.3
15 Const. action	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.1	226.1	0.4	12.5	0.0	2846.2	0.1	0.0	0.0	7.0	0.8	4.8	12.6	0.0
17 Production T & C	20.9	36.6	1.2	5.8	10.7	762.4								
18 T & D	0.0	143.0	0.0	0.0	20.8	782.2								
19 Other Prod. Sectors	6.5	4.9	1.4	2.5	2.2	90.8	0.5	2.8	1.2	4.6	0.6	3.2	8.4	0.8
20 Material Outlays	1233.9	869.3	155.9	96.3	61.1	13708.9	50.1	141.6	7.6	118.8	16.3	107.8	242.9	31.1
21 Housing-Communal	23.6	10.1	6.6	37.0	0.7	160.1	1.5	1.3	1.2	1.5	0.5	0.7	2.6	0.6
22 Non-Prod. Transport	22.4	13.3	3.2	13.8	0.8	90.2	2.5	2.3	1.0	5.4	1.7	3.0	10.1	2.1
23 Non-Prod. Commun.	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.7	1.9	1.0	1.0	4.0	1.5
24 Education	14.6	10.3	4.6	8.1	0.2	83.2	0.7	0.8	0.7	0.0	0.0	0.0	0.0	0.0
25 Culture	2.8	2.3	1.0	1.9	0.0	17.7	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	10.6	8.0	3.6	7.0	0.2	62.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	28.1	20.5	9.3	17.0	0.5	163.5	1.5	1.6	1.3	0.0	0.0	0.0	0.0	0.0
28 Science	32.4	9.4	4.7	6.2	0.1	98.9	0.2	0.3	0.6	0.0	0.0	0.0	0.0	8.3
29 Banking & Insurance	19.6	8.8	2.8	131.4	0.2	214.1	0.3	0.4	0.7	0.0	0.0	0.0	0.0	0.2
30 State Admin.														
31 Service Outlays	126.1	62.0	26.6	205.4	2.3	726.8	6.2	6.2	5.5	8.8	3.2	4.7	16.7	12.8
32 Defense & Other														
33 Total Outlays	1360.0	931.4	182.6	301.6	63.3	14435.8	56.3	147.8	13.1	127.6	19.5	112.5	259.6	43.9
34 Depreciation	225.8	281.1	335.1	49.6	6.0	1895.9	211.4	20.3	20.2	46.8	4.9	26.3	78.0	22.0
35 Wages	768.2	517.4	164.1	86.5	62.4	2697.0	120.3	114.0	32.1	531.9	67.8	205.8	805.5	107.9
36 Other Wages	20.6	4.9	4.4	1.8	0.3	46.7	1.5	1.7	0.7	1.4	0.4	1.3	3.1	1.8
37 Kolkhoz Pay	12.8	608.4	0.0	0.0	0.0	627.3				5.1	0.6	3.1	8.8	
38 Social Security	65.8	46.9	28.6	8.1	5.0	296.3	6.7	9.6	2.5	38.5	4.9	14.9	58.3	13.4
39 Kolkhoz Soc. Sec.	0.2	80.7	0.0	0.0	0.0	81.7				0.6	0.1	0.3	1.0	
40 Net Profit	310.2	245.2	121.4	337.8	20.2	2189.4	29.3	42.6	45.9	0.0	0.0	0.0	0.0	19.1
41 Bonus Wages	33.0	30.9	8.4	4.4	0.0	149.1	8.1	16.5	3.7	4.1	2.1	2.9	9.1	11.8
42 Turnover Tax	0.0	0.0	0.0	0.0	0.0	2209.8								
43 Net Subsidies	0.0	0.0		0.0	0.0	-423.1								
44 Other Net Income	0.0	0.0	15.6	0.0	0.0	153.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	174.3	0.0	0.0	0.0	171.9								
46 Private Income	167.5	1573.0	0.0	0.0	22.3	1762.8	41.0	23.0	0.0	33.0	5.0	33.0	71.0	
47 Total Losses	-121.5	-67.1	-0.5	-3.3	0.0	-201.1		-1.4	-0.5					
48 Net Foreign Trade		-64.2		-48.0	-10.4	-1257.0								
49 G N P	1449.6	3400.6	668.7	432.5	105.8	10251.2	410.2	209.8	100.9	661.4	85.8	287.6	1034.8	164.2
50 Total Output	2809.6	4396.1	851.3	782.1	179.6	25944.0	466.5	357.6	114.0	789.0	105.3	400.1	1294.4	208.1
51 Import	0.0	247.1	0.0	0.0	3.9	5553.5								
52 Total Supply	2809.6	4643.2	851.3	782.1	183.5	31497.5	466.5	357.6	114.0	789.0	105.3	400.1	1294.4	208.1

Azerbaijan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 3

	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank& Insur.	State Admin.	TOTAL SERV. & Other	Defence	TOTAL OUTLAY	House-holds	-/- Paid	-/- Free	Govern. & Other	Defence	Total Fixed	Invent.	Net Exports	G N P
1 Power	0.3	1.3	82.7	0.0	448.2	48.0	48.0				0.0	0.0	0.0	48.0
2 Petro-Gas	0.5	1.8	124.9	21.2	1701.8	82.4	82.4				0.0	-22.2	0.0	-60.2
3 Coal	0.1	0.3	3.7	0.4	7.5	0.0	0.0				0.0	-0.3	0.0	-0.3
4 Other Fuels	0.0	0.0	0.2	0.1	0.3	0.0	0.0				0.0	-0.1	0.0	-0.1
5 Ferrous Metals	0.0	0.0	6.0	0.1	608.7	12.3	12.3				0.0	1.5	0.0	13.8
6 N-Ferrous Metals	0.0	0.0	1.7	0.0	291.8	0.0	0.0				0.0	3.1	0.0	3.1
7 Chemicals	0.4	1.6	49.2	52.3	817.7	85.2	85.2				0.0	-42.0	0.0	43.2
8 MBMW	0.2	0.7	59.0	290.8	1696.2	278.4	278.4				1271.3	-232.2	0.0	1317.5
9 Wood & Paper	0.1	0.6	11.5	0.0	344.6	134.3	134.3				28.9	1.0	0.0	164.2
10 Constr. Materials	0.0	0.1	4.8	0.1	680.2	98.8	98.8				0.0	-1.5	0.0	97.3
11 Light Industry	0.1	0.4	14.4	29.8	1717.7	1369.0	1369.0				0.0	62.2	0.0	1431.2
12 Food Industry	0.0	0.0	69.6	21.4	1500.9	2189.6	2189.6				0.0	199.1	0.0	2388.7
13 Other Industry	0.1	0.6	28.4	0.0	283.8	104.5	104.5				0.0	19.9	0.0	124.4
14 Total Industry	1.8	7.4	456.1	416.2	10099.6	4402.5	4402.5				1300.2	-11.5	0.0	5691.2
15 Construction			0.0		0.0	0.0	0.0				2809.6	0.0	0.0	2809.6
16 Agri. & Forestry	0.0	1.0	13.7	4.1	2864.0	1251.6	1251.6				127.0	89.2	0.0	1467.9
17 Production T & C			0.0		762.4	0.0	0.0		88.9		0.0	0.0	0.0	88.9
18 T & D			0.0		782.2	0.0	0.0				0.0	0.0	-48.0	-48.0
19 Other Prod. Sectors	0.1	0.4	14.2		105.0	62.8	62.8				0.0	1.5	0.0	64.2
20 Material Outlays	1.9	8.8	484.0	420.3	14613.2	5716.9	5716.9	0.0	88.9	0.0	4236.8	79.2	-48.0	10073.8
21 Housing-Communal	1.1	0.6	9.0	1.0	170.1	269.4	150.2	119.2	20.2	6.8				296.4
22 N-Prod. Transport	1.6	2.5	22.2	2.2	114.6	259.9	259.9	0.0	0.0	25.8			-42.5	243.2
23 N-Prod. Communic.	0.2	1.7	8.8	2.1	10.9	50.1	50.1	0.0	39.4	22.3			-8.7	103.1
24 Education	0.5	0.0	2.7		85.9	718.6	38.3	680.3	0.0	0.0				718.6
25 Culture	0.1	0.0	0.6		18.3	87.0	29.2	57.8	0.0	0.0				87.0
26 Health, etc.	0.4	0.0	2.1		64.7	319.9	59.6	260.3	0.0	0.0				319.9
27 Educ., Cult. & Health	1.0	0.0	5.4	0.0	168.9	1125.5	127.1	998.4	0.0	0.0				1125.5
28 Science	0.0	0.0	9.4		108.4	0.0	0.0	0.0	157.0	41.8			-99.1	99.7
29 Banking & Insurance	0.0	0.0	1.5		215.6	35.1	35.1	0.0	0.0	0.0			25.0	60.1
30 State Admin.						71.7	71.7	0.0	37.7	0.0				109.4
31 Service Outlays	4.0	4.8	56.2	5.3	788.4	1811.7	694.1	1117.6	254.3	96.7	0.0	0.0	-125.3	2037.4
32 Defense & Other										744.5				744.5
33 Total Outlays	5.9	13.6	540.2	425.6	15401.6	7528.6	6411.0	1117.6	343.2	841.2	4236.8	79.2	-173.3	12855.7
34 Depreciation	0.8	4.4	357.1	18.6	2271.6									
35 Wages	11.8	82.9	1274.5	242.5	4214.0									
36 Other Wages	0.4	1.2	10.4	1.9	59.0									
37 Kolkhoz Pay			8.8		636.1									
38 Social Security	1.2	7.3	99.0	23.4	418.7									
39 Kolkhoz Soc. Sec.			1.0		82.7									
40 Net Profit	230.6	0.0	367.5	32.5	2589.4									
41 Bonus Wages	5.4	0.0	54.6	4.1	207.8									
42 Turnover Tax			0.0		2209.8									
43 Net Subsidies			0.0		-423.1									
44 Other Net Income	0.0	0.0	0.0		153.6									
45 Kolkhoz Income			0.0		171.9									
46 Private Income			135.0		1897.8									
47 Total Losses			-1.9		-203.0									
48 Net Foreign Trade	25.0		25.0		-1232.0									
49 G N P	269.8	95.8	2285.5	318.9	12855.7									
50 Total Output	250.7	109.4	2800.7	744.5	29489.2									
51 Import					5553.5									
52 Total Supply	250.7	109.4	2800.7	744.5	35042.7									

Azerbaijan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 4

	43	44
	Export	TOTAL
		USES
1 Power	33.9	530.1
2 Petro-Gas	1139.3	2901.2
3 Coal	0.0	7.2
4 Other Fuels	0.0	0.2
5 Ferrous Metals	98.1	720.7
6 N-Ferrous Metals	133.1	428.0
7 Chemicals	628.0	1489.0
8 MBMW	907.0	3920.7
9 Wood & Paper	24.0	532.9
10 Constr. Materials	48.8	826.3
11 Light Industry	1785.2	4934.1
12 Food Industry	1532.9	5422.5
13 Other Industry	106.6	514.8
14 Total Industry	6436.9	22227.7
15 Construction	0.0	2809.6
16 Agri. & Forestry	311.3	4643.2
17 Production T & C	0.0	851.3
18 T & D	0.0	782.2
19 Other Prod. Sectors	14.3	183.5
20 Material Outlays	6762.5	31497.5
21 Housing-Communal		466.5
22 N-Prod. Transport		357.8
23 N-Prod. Communic.		114.0
24 Education		804.5
25 Culture		105.3
26 Health, etc.		384.6
27 Educ., Cult. & Health		1294.4
28 Science		208.1
29 Banking & Insurance		250.7
30 State Admin.		109.4
31 Service Outlays	0.0	2800.8
32 Defense & Other		744.5
33 Total Outlays	6762.5	35042.8
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Belarus 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro-	Coal	Other	Ferr.	N-Ferr.	Chem.	MBMW	Wood	Constr.	Light	Food	Other	Total
	Gas			Fuels	Metals	Metals			Paper	Mater.			Ind.	Industry
1 Power	10.0	68.0	0.0	3.0	13.2	0.2	236.7	213.2	36.4	61.3	57.8	44.4	65.0	809.4
2 Petro-Gas	597.3	1259.8	0.0	2.9	3.7	0.3	206.3	115.1	24.2	92.9	10.7	44.9	84.0	2442.0
3 Coal	0.4	0.0	0.0	1.6	0.1	0.0	0.5	4.1	1.4	3.2	3.0	2.4	0.8	17.6
4 Other Fuels	0.0	0.0	0.0	33.0	0.0	0.0	0.6	0.3	0.4	0.8	0.3	0.0	0.5	35.8
5 Ferrous Metals	0.9	1.5	0.0	0.7	100.8	0.0	70.7	959.9	17.4	94.7	3.9	16.9	5.3	1272.9
6 N-Ferrous Metals	0.1	0.4	0.0	0.0	8.6	37.7	10.3	349.7	1.8	5.8	1.4	5.8	2.3	423.9
7 Chemicals	3.8	16.2	0.0	0.9	2.8	0.1	1000.3	647.1	72.1	42.4	450.3	28.3	68.3	2332.6
8 MBMW	10.8	5.3	0.0	3.4	7.6	0.4	62.9	4892.0	68.0	38.7	35.1	32.8	19.5	5176.6
9 Wood & Paper	0.7	0.4	0.0	0.5	1.8	0.0	91.3	120.9	554.9	23.5	32.3	60.2	44.2	930.8
10 Constr. Materials	0.4	0.4	0.0	0.4	2.2	0.1	8.3	58.6	20.5	363.2	2.5	17.3	13.7	487.5
11 Light Industry	1.4	0.9	0.0	0.5	0.8	0.2	34.1	92.2	70.0	9.9	3746.9	11.6	65.6	4034.3
12 Food Industry	0.3	0.4	0.0	0.1	0.2	0.0	76.2	10.8	6.3	2.2	35.9	1730.5	135.5	1998.4
13 Other Industry	2.5	0.2	0.0	0.0	0.2	0.0	3.5	18.3	2.3	2.1	5.7	42.0	131.0	207.8
14 Total Industry	628.7	1353.7	0.0	47.1	142.0	39.1	1801.8	7482.3	875.8	740.7	4385.6	2037.1	635.6	20169.5
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Ag. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	54.0	0.0	489.3	7211.0	378.0	8132.6
17 Production T & C	3.8	223.5	16.8	15.5	79.9	1.1	107.3	254.2	57.3	458.8	102.5	126.8	33.0	1480.4
18 T & D	0.0	143.4	1.4	1.6	8.3	1.0	75.2	199.6	59.2	44.9	310.7	760.6	41.9	1647.6
19 Other Prod. Sectors	5.1	5.0	0.0	0.0	26.8	13.1	9.8	41.1	6.7	13.6	14.4	21.2	10.7	167.5
20 Material Outlays	637.6	1725.6	18.2	64.2	257.0	54.2	1994.2	7977.3	1052.9	1258.0	5302.5	10156.7	1099.2	31597.6
21 Housing-Communal	10.7	6.7	0.0	0.3	1.5	0.3	20.7	100.7	12.7	6.4	19.6	23.2	7.2	210.1
22 N-Prod. Transport	2.0	0.3	0.0	0.7	0.4	0.1	6.2	41.8	8.2	5.6	5.1	5.4	4.9	80.6
23 N-Prod. Commun.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	6.8	3.1	0.0	0.2	0.8	0.2	13.3	56.4	6.8	3.4	15.0	10.7	3.9	120.7
25 Culture	1.0	0.3	0.0	0.0	0.2	0.0	2.0	10.2	1.5	0.8	2.4	2.0	0.4	20.8
26 Health, etc.	5.3	2.4	0.0	0.1	0.6	0.1	8.3	32.0	5.3	2.7	8.5	8.4	3.0	76.9
27 Educ., Cult. & Health	13.1	5.9	0.0	0.3	1.6	0.4	23.6	98.6	13.7	6.9	25.9	21.1	7.3	218.4
28 Science	10.5	6.9	0.0	1.1	0.5	0.3	17.9	212.6	3.6	3.5	19.8	15.7	0.9	293.2
29 Banking & Insurance	4.1	3.3	0.0	0.1	0.4	0.1	6.8	52.2	3.5	1.8	38.9	32.2	2.0	145.3
30 State Admin.														
31 Service Outlays	40.4	23.1	0.0	2.5	4.3	1.2	75.3	505.9	41.7	24.1	109.3	97.6	22.3	947.6
32 Defence & Other														
33 Total Outlays	678.0	1748.7	18.2	66.7	261.3	55.4	2069.4	8483.2	1094.6	1282.1	5411.8	10254.3	1121.5	32545.2
34 Depreciation	165.7	102.4	0.0	20.5	47.9	1.5	497.9	815.5	87.8	148.4	123.4	128.5	85.1	2224.6
35 Wages	54.6	16.4	0.0	15.4	26.1	6.0	232.6	1680.1	240.5	222.2	503.3	234.0	133.6	3364.8
36 Other Wages	1.7	0.3	0.0	0.3	0.4	0.1	5.3	35.9	3.5	3.6	3.6	3.1	3.2	61.0
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	7.6	0.8	1.2	9.6	5.9	65.0
38 Social Security	8.8	2.4	0.0	2.3	2.7	0.8	34.0	259.5	21.0	25.7	63.4	27.3	9.9	457.8
39 Kolkhoz Soc. Sec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.1	0.1	0.2	0.8	1.5	9.5
40 Net Profit	189.8	226.2	0.0	13.5	33.5	9.2	730.5	2313.6	304.9	169.4	967.5	494.0	198.4	5650.2
41 Bonus Wages	8.9	3.9	0.0	1.6	3.4	0.9	28.5	243.1	25.0	20.0	53.1	25.9	15.2	429.5
42 Turnover Tax	79.8	835.6	0.0	0.0	4.2	0.0	413.5	464.9	30.8	120.3	1633.2	1617.9	7.8	5208.0
43 Net Subsidies	0.0	0.0	0.0	-14.6	0.0	0.0	-340.1	-138.3	0.0	0.0	-149.5	-4168.8	16.1	-4795.2
44 Other Net Income	0.0	17.0	0.0	1.8	0.0	0.2	4.0	0.0	0.0	8.5	0.0	13.4	0.0	44.9
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.4	3.8	24.5	5.1	34.6
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-4.4	-2.7	0.0	-0.5	-1.3	0.0	-14.3	-27.3	-6.9	-5.5	-64.4	-3.4	-8.0	-138.9
48 Net Foreign Trade	72.2	339.4	65.4	0.1	1145.1	367.7	-117.9	-2103.3	-32.5	32.8	-1323.0	-142.5	-96.8	-1793.3
49 G N P	568.1	1537.0	65.4	38.7	1258.6	385.4	1445.6	3346.5	658.6	726.6	1762.8	-1761.8	361.6	10393.1
50 Total Output	1173.9	2946.3	18.2	105.3	374.8	73.1	3632.9	13932.9	1785.7	1975.9	8497.7	8635.0	1580.0	44731.6
51 Import	118.1	1793.8	65.4	1.1	1329.0	435.7	2276.7	5816.3	444.1	264.1	2364.5	1487.6	262.0	16658.4
52 Total Supply	1292.0	4740.1	83.6	106.4	1703.8	508.8	5909.6	19749.2	2229.8	2240.0	10862.2	10122.6	1842.0	61390.0

Belarus 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agric.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	E & C	Science
					Prod.	PROD.					Arts		Health	
1 Power	30.8	53.3	52.6	36.5	1.7	984.2	47.2	19.0	3.8	30.2	3.7	20.8	54.7	3.5
2 Petro-Gas	79.7	234.7	213.9	12.0	0.6	2982.9	39.4	77.4	2.5	12.4	1.5	8.6	22.5	2.9
3 Coal	2.2	13.1	4.2	4.4	0.2	41.6	3.4	1.5	0.3	15.5	1.9	10.6	28.0	0.2
4 Other Fuels	0.7	18.9	0.1	1.6	0.0	57.1	5.3	0.0	0.2	8.1	1.0	5.5	14.6	0.0
5 Ferrous Metals	217.0	3.4	5.0	0.7	0.0	1499.1	1.3	2.1	0.2	0.4	0.1	0.3	0.8	6.8
6 N-Ferrous Metals	6.4	0.3	0.6	0.2	0.1	431.4	0.2	0.3	0.0	0.2	0.0	0.2	0.4	6.3
7 Chemicals	101.6	441.0	50.7	6.9	1.5	2934.2	12.2	16.0	0.9	5.5	5.0	64.2	74.7	6.8
8 MBMW	430.6	627.7	50.7	27.0	5.0	6317.6	19.5	27.8	2.2	15.5	1.9	10.7	28.1	47.3
9 Wood & Paper	253.7	13.6	7.9	23.7	16.3	1246.0	11.0	3.5	0.8	10.5	1.3	7.2	19.0	1.9
10 Constr. Materials	1301.3	26.4	8.4	10.6	0.1	1834.4	8.9	4.2	0.2	7.1	0.9	4.9	12.8	2.1
11 Light Industry	28.3	29.3	7.8	15.6	7.5	4122.8	15.5	3.8	1.2	36.9	4.5	25.4	66.8	2.2
12 Food Industry	3.3	655.7	0.4	18.5	0.0	2676.3	4.3	0.6	0.0	109.2	13.6	80.4	203.2	0.2
13 Other Industry	4.3	651.7	3.3	15.2	17.1	899.3	15.2	1.4	0.4	24.8	3.0	17.0	44.8	1.3
14 Total Industry	2459.9	2769.1	405.6	172.8	50.0	26027.0	183.4	157.6	12.7	276.4	38.2	255.8	570.4	81.5
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	8.2	3300.1	0.6	19.7	0.0	11461.3	1.6	0.0	0.0	24.4	3.0	16.8	44.2	0.2
17 Production T & C	115.7	76.6	5.7	17.8	7.5	1703.6								
18 T & D	0.0	276.5	0.0	0.0	27.6	1951.7								
19 Other Prod. Sectors	21.6	9.9	15.3	53.0	1.5	268.9	1.5	3.2	1.3	11.8	1.4	8.1	21.4	3.3
20 Material Outlays	2605.5	6432.2	427.2	263.3	86.6	41412.4	186.5	160.8	14.0	312.7	42.6	280.7	636.0	85.0
21 Housing-Communal	30.6	32.1	9.5	23.7	2.7	308.7	3.0	2.2	1.8	2.2	0.7	1.4	4.3	1.3
22 N-Prod. Transport	30.7	18.2	5.6	9.5	1.3	146.0	4.2	3.6	1.8	8.0	2.7	6.2	16.1	4.4
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.9	2.8	1.6	2.1	7.2	3.4
24 Education	17.0	37.2	8.1	7.4	0.9	191.2	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0
25 Culture	2.6	3.2	1.4	1.2	0.2	29.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	14.6	29.0	6.3	6.4	0.7	133.8	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	34.1	69.3	15.8	15.0	1.8	354.5	2.9	2.8	2.0	0.0	0.0	0.0	0.0	0.0
28 Science	60.3	78.9	10.5	11.7	2.5	457.2	0.3	0.5	1.0	0.0	0.0	0.0	0.0	16.9
29 Banking & Insurance	16.8	26.1	4.9	127.3	0.8	321.2	0.5	0.6	1.1	0.0	0.0	0.0	0.0	0.3
30 State Admin.						0.0								
31 Service Outlays	172.6	224.7	46.3	187.2	9.1	1587.5	12.0	10.7	8.6	13.0	5.0	9.7	27.7	26.3
32 Defence & Other						0.0								
33 Total Outlays	2778.1	6656.9	473.4	450.5	95.7	42999.9	198.5	171.5	22.6	325.7	47.6	290.4	663.7	111.3
34 Depreciation	330.5	831.2	467.4	140.9	19.2	4013.8	45.1	153.5	48.0	150.7	15.9	84.4	251.0	59.0
35 Wages	1233.6	1034.8	516.3	645.3	163.7	6958.6	211.0	221.0	78.7	733.7	105.3	402.6	1241.6	221.1
36 Other Wages	58.8	7.8	8.9	12.0	1.1	149.6	3.0	3.3	1.3	0.9	0.5	1.3	2.7	3.5
37 Kolkhoz Pay	110.6	1430.9	0.4	0.0	0.0	1606.9				7.8	1.0	4.7	13.5	
38 Social Security	146.4	54.0	41.6	53.2	12.2	765.2	11.8	18.6	6.2	53.0	7.3	29.5	89.8	27.4
39 Kolkhoz Soc. Sec.	1.0	209.9	0.0	0.0	0.0	220.4				0.9	0.1	0.5	1.5	
40 Net Profit	792.1	839.7	390.4	651.1	55.2	8378.7	97.9	46.8	112.8	0.0	0.0	0.0	0.0	39.1
41 Bonus Wages	93.8	101.5	36.0	12.7	2.8	676.4	14.1	18.0	9.1	6.4	3.3	4.4	14.1	24.0
42 Turnover Tax	0.0	0.0	0.0	0.6	0.0	5208.6								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-4795.2								
44 Other Net Income	0.0	0.0	1.7	0.0	0.0	46.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	1260.8	0.0	0.0	0.0	1295.5								
46 Private Income	62.2	2054.5	0.0	0.0	72.9	2189.6	40.0	30.0	0.0	50.0	10.0	70.0	130.0	
47 Total Losses	-85.1	-86.6	-4.4	-1.9	-0.2	-317.1		-1.5	-1.2					
48 Net Foreign Trade	0.0	505.5	0.0	-2492.0	130.6	-3649.2								
49 G N P	2650.2	8142.5	1422.4	-990.8	454.7	22072.0	814.8	471.7	245.8	1003.4	143.4	597.4	1744.2	350.1
50 Total Output	5428.3	14293.8	1895.8	1951.7	419.8	68721.2	1013.3	643.2	268.4	1329.1	191.0	887.8	2407.9	461.4
51 Import	0.0	877.8	0.0	0.0	170.9	17707.1								
52 Total Supply	5428.3	15171.6	1895.8	1951.7	590.7	86428.3	1013.3	643.2	268.4	1329.1	191.0	887.8	2407.9	461.4

Belarus 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank& Insur.	State Admin.	TOTAL SERV.	Defence & Other	TOTAL OUTLAY	House-holds	-/- Paid	-/- Free	Govern. & Other	Defence	Total Fixed	Invent.	Net Export	G N P
1 Power	0.2	1.1	129.5	0.0	1113.7	132.4	132.4				0.0	0.0	0.0	132.4
2 Petro-Gas	1.1	4.3	150.1	61.0	3194.0	88.0	88.0				0.0	3.7	0.0	91.7
3 Coal	0.2	0.8	34.4	1.1	77.1	6.9	6.9				0.0	-0.3	0.0	6.6
4 Other Fuels	0.0	0.2	20.3	0.3	77.7	21.7	21.7				0.0	6.0	0.0	27.7
5 Ferrous Metals	0.0	0.1	11.3	0.4	1510.8	4.0	4.0				0.0	5.1	0.0	9.1
6 N-Ferrous Metals	0.0	0.0	7.2	0.0	438.6	0.0	0.0				0.0	2.2	0.0	2.2
7 Chemicals	0.6	2.2	113.4	150.4	3198.0	334.8	334.8				0.0	-18.0	0.0	316.8
8 MBMW	0.4	1.4	126.7	1412.3	7856.6	1159.6	1159.6				3981.1	-1167.7	0.0	3973.0
9 Wood & Paper	0.8	3.2	40.2	0.1	1286.3	441.6	441.6				35.2	-9.8	0.0	467.0
10 Constr. Materials	0.1	0.2	28.5	0.2	1863.1	112.6	112.6				0.0	33.0	0.0	145.6
11 Light Industry	0.2	1.1	90.8	114.6	4328.2	3446.5	3532.1				31.6	-631.6	0.0	2846.5
12 Food Industry	0.0	0.1	208.4	91.3	2976.0	5763.8	5852.1				0.0	-247.5	0.0	5516.3
13 Other Industry	1.0	3.8	67.9	0.0	967.2	362.0	362.0				6.0	148.0	0.0	515.9
14 Total Industry	4.6	18.5	1028.7	1831.7	28887.4	11873.9	12047.8				4053.8	-1876.9	0.0	14050.8
15 Construction			0.0	0.0	0.0	0.0	0.0				5428.3	0.0	0.0	5428.3
16 Agri. & Forestry	0.0	0.2	46.2	18.0	11525.5	1931.2	1949.2		196.8		111.0	1034.7	0.0	3273.7
17 Production T & C			0.0		1703.6	0.0	0.0		192.2		0.0	0.0	0.0	192.2
18 T & D			0.0		1951.7	0.0	0.0				0.0	0.0	-2492.0	-2492.0
19 Other Prod. Sectors	0.4	1.9	33.0	0.0	301.9	201.4	201.4				1.7	45.6	0.0	248.7
20 Material Outlays	5.0	20.6	1107.9	1849.7	44370.1	14006.5	14198.4	0.0	389.0		9594.8	-796.6	-2492.0	20701.7
21 Housing-Communal	1.6	1.2	15.4	6.0	330.1	630.0	334.5	295.5	33.9	19.4				683.3
22 N-Prod. Transport	3.0	5.6	39.4	2.5	187.9	403.0	403.0	0.0	0.0	116.9			-64.6	455.3
23 N-Prod. Commun.	3.6	5.9	22.4	0.9	23.3	127.9	127.9	0.0	96.0	76.4			-55.2	245.1
24 Education	1.3	0.0	5.2		196.4	1132.7	93.2	1039.5	0.0	0.0				1132.7
25 Culture	0.3	0.0	1.1		30.6	160.4	79.3	81.1	0.0	0.0				160.4
26 Health, etc.	1.0	0.0	4.0		137.9	750.0	193.2	556.8	0.0	0.0				750.0
27 Educ., Cult. & Health	2.6	0.0	10.3		364.8	2043.1	365.7	1677.4	0.0	0.0				2043.1
28 Science	0.0	0.0	18.7		475.9	0.0	0.0	0.0	100.3	216.4			-331.1	-14.4
29 Banking & Insurance	0.0	0.0	2.6		323.7	151.6	151.6	0.0	0.0	0.0			125.0	276.6
30 State Admin.			0.0		0.0	172.5	172.5	0.0	79.5	0.0				252.0
31 Service Outlays	10.8	12.7	108.9	9.4	1705.7	3528.1	1555.2	1972.9	309.7	429.1	0.0	0.0	-325.9	3941.0
32 Defence & Other			0.0		0.0	0.0	0.0	0.0	0.0	2911.3				2911.3
33 Total Outlays	15.8	33.3	1216.8	1859.1	46075.8	17534.6	15753.6	1972.9	698.7	3340.4	9594.8	-796.6	-2817.9	27554.0
34 Depreciation	2.1	12.2	976.9	59.2	5049.9									
35 Wages	36.4	189.2	2199.0	708.4	9866.0									
36 Other Wages	0.4	1.6	15.8	2.9	168.3									
37 Kolkhoz Pay			13.5		1620.4									
38 Social Security	3.5	15.7	173.0	81.0	1019.2									
39 Kolkhoz Soc. Sec.			1.5		221.9									
40 Net Profit	417.1	0.0	713.7	259.9	9352.3									
41 Bonus Wages	12.6	0.0	91.9		768.3									
42 Turnover Tax			0.0		5208.6									
43 Net Subsidies			0.0		-4795.2									
44 Other Net Income	0.0	0.0	0.0		46.6									
45 Kolkhoz Income			0.0		1295.5									
46 Private Income			200.0		2389.6									
47 Total Losses			-2.7		-319.8									
48 Net Foreign Trade	125.0		125.0		-3524.2									
49 G N P	584.5	218.7	4429.8	1052.2	27554.0									
50 Total Output	475.3	252.0	5521.6	2911.3	77154.0									
51 Import			0.0		17707.1									
52 Total Supply	475.3	252.0	5521.6	2911.3	94861.1									

Belarus 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 4

	43	44
	Exports	TOTAL
	USES	
1 Power	45.9	1292.0
2 Petro-Gas	1454.4	4740.1
3 Coal	0.0	83.7
4 Other Fuels	1.0	106.4
5 Ferrous Metals	183.9	1703.8
6 N-Ferrous Metals	68.0	508.8
7 Chemicals	2394.6	5909.5
8 MBMW	7919.6	19749.2
9 Wood & Paper	476.6	2229.8
10 Constr. Materials	231.3	2240.0
11 Light Industry	3687.5	10862.2
12 Food Industry	1630.1	10122.4
13 Other Industry	358.8	1841.9
14 Total Industry	18451.7	61389.9
15 Construction	0.0	5428.3
16 Agri. & Forestry	372.3	15171.5
17 Production T & C	0.0	1895.8
18 T & D	0.0	1951.7
19 Other Prod. Sectors	40.3	590.8
20 Material Outlays	18864.3	86428.0
21 Housing-Communal		1013.4
22 N-Prod. Transport		643.2
23 N-Prod. Communic.		268.4
24 Education		1329.1
25 Culture		191.0
26 Health, etc.		887.9
27 Educ., Cult. & Health		2407.9
28 Science		461.5
29 Banking & Insurance		475.3
30 State Admin.		252.0
31 Service Outlays		5521.7
32 Defence & Other		2911.3
33 Total Outlays	18864.3	94861.1
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Estonia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro-Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood & Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	1.2	2.2	0.0	13.6	0.4	0.1	25.0	21.2	14.3	17.1	18.1	10.2	4.1	127.4
2 Petro-Gas	29.6	19.7	0.0	11.1	0.1	0.0	15.2	16.6	10.7	9.2	3.1	28.1	2.3	145.6
3 Coal	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.6	0.2	0.2	0.1	2.0
4 Other Fuels	107.6	0.3	0.0	23.5	0.0	0.0	1.8	0.1	1.8	5.3	0.0	0.2	0.1	140.7
5 Ferrous Metals	0.6	0.2	0.0	1.7	5.7	0.1	2.0	105.7	8.2	14.8	0.9	7.8	2.6	150.4
6 N-Ferrous Metals	0.2	0.0	0.0	0.0	0.5	4.0	0.7	67.2	1.3	3.5	0.1	2.8	4.8	85.2
7 Chemicals	1.1	0.4	0.0	16.8	0.2	0.0	151.9	47.0	31.7	10.4	70.7	13.7	15.0	358.9
8 MBMW	3.1	0.3	0.0	5.3	0.2	0.0	6.5	358.1	20.3	6.1	8.9	24.8	6.0	439.8
9 Wood & Paper	0.3	0.2	0.0	0.8	0.2	0.0	7.5	25.0	157.8	8.4	7.1	26.9	23.6	257.9
10 Constr. Materials	0.4	0.1	0.0	0.4	0.1	0.0	2.2	7.1	4.6	76.3	0.7	10.1	2.4	104.4
11 Light Industry	0.7	0.0	0.0	0.8	0.0	0.0	5.3	10.6	28.2	2.7	930.9	12.4	22.7	1014.5
12 Food Industry	0.2	0.0	0.0	0.2	0.0	0.0	3.4	1.7	2.1	0.4	1.2	493.3	48.8	551.4
13 Other Industry	1.5	0.0	0.0	0.1	0.1	0.0	2.4	6.5	7.5	0.9	3.0	14.7	26.2	62.8
14 Total Industry	146.7	23.5	0.0	74.4	7.6	4.3	223.8	667.4	288.7	155.7	1045.0	645.2	158.6	3440.8
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	58.9	1157.2	137.8	1365.4
17 Production T & C	1.6	39.9	4.9	17.1	5.3	0.3	15.6	43.1	14.9	85.6	16.8	112.4	10.4	367.9
18 T & D	0.0	15.6	0.1	0.0	5.8	0.5	24.7	46.8	5.7	8.9	46.2	186.7	6.7	347.6
19 Other Prod. Sectors	1.5	0.0	0.0	0.1	4.5	0.1	1.4	7.2	7.5	1.4	4.5	2.9	0.5	31.5
20 Material Outlays	149.7	78.9	5.0	91.5	23.3	5.2	265.5	764.5	328.3	251.6	1171.4	2104.3	314.0	5553.2
21 Housing-Communal	3.4	0.3	0.0	0.3	0.2	0.1	2.5	12.3	6.8	1.3	10.1	8.2	1.2	46.7
22 N-Prod. Transport	0.6	0.0	0.0	0.8	0.1	0.1	0.6	7.5	4.9	1.1	4.0	1.5	0.8	22.0
23 N-Prod. Commun.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	1.8	0.1	0.0	0.2	0.1	0.1	1.4	5.9	3.6	0.7	4.0	3.0	0.6	21.6
25 Culture	0.4	0.0	0.0	0.0	0.0	0.0	0.3	1.6	0.8	0.2	0.9	0.7	0.1	5.1
26 Health, etc.	1.4	0.1	0.0	0.1	0.1	0.1	1.1	4.8	2.8	0.6	3.5	2.3	0.5	17.5
27 Educ., Cult. & Health	3.7	0.2	0.0	0.4	0.3	0.1	2.7	12.4	7.3	1.4	8.5	6.0	1.3	44.3
28 Science	2.2	0.2	0.0	1.1	0.1	0.0	1.1	13.5	1.4	0.7	1.1	2.2	0.1	23.7
29 Banking & Insurance	1.1	0.1	0.0	0.1	0.1	0.0	0.7	7.6	1.9	0.4	5.4	9.4	0.3	27.1
30 State Admin.														
31 Service Outlays	10.9	0.9	0.0	2.7	0.7	0.5	7.8	53.3	22.2	4.9	29.1	27.2	3.7	163.8
32 Defence & Other														
33 Total Outlays	160.7	79.8	5.0	94.2	24.0	5.6	273.3	817.7	350.5	256.6	1200.5	2131.5	317.7	5717.0
34 Depreciation	79.4	1.5		36.8	1.2	0.6	34.4	90.9	36.3	34.8	37.6	93.7	18.2	465.4
35 Wages	13.4	1.4	0.0	41.0	2.0	0.5	25.5	165.7	65.1	37.8	112.6	91.2	48.5	604.7
36 Other Wages	0.4	0.0	0.0	0.8	0.1	0.0	0.9	5.3	1.1	0.9	2.4	1.7	0.9	14.6
37 Kolkhoz Pay	0.1	0.0	0.0	0.2	0.0	0.0	0.0	26.5	9.3	0.2	2.0	33.1	13.7	85.0
38 Social Security	2.0	0.2	0.0	5.3	0.3	0.1	3.3	21.7	5.4	4.9	15.8	11.4	4.6	75.0
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.0	0.0	0.3	4.7	1.6	10.7
40 Net Profit	61.7	8.1	0.0	12.2	3.0	1.3	44.0	180.3	72.2	23.3	171.8	115.0	13.8	706.6
41 Bonus Wages	0.9	0.2	0.0	5.3	0.3	0.1	4.3	22.1	8.3	4.6	16.1	14.3	6.1	82.6
42 Turnover Tax	24.4	0.0	0.0	0.1	0.0	0.0	58.8	12.9	3.5	10.3	238.0	332.2	27.4	707.5
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	0.0	-19.0	-1.1	0.0	0.0	-8.9	-692.2	0.0	-721.3
44 Other Net Income	0.0	0.0	0.0	0.5	0.3	0.2	2.0	0.0	0.0	4.0	0.0	11.0	0.0	18.0
45 Kolkhoz Income	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	19.4	5.1	0.3	2.2	34.8	14.6	76.4
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-1.1	0.0	0.0	-0.5	0.0	0.0	-1.0	-3.9	-0.5	-0.5	-8.4	-1.3	-0.6	-17.9
48 Net Foreign Trade	-95.3	252.9	10.6	-15.8	148.3	78.0	182.5	546.0	-58.8	17.8	-172.6	-373.6	13.5	533.5
49 G N P	85.1	264.0	10.6	80.5	155.1	80.6	331.4	1066.9	139.7	133.8	392.7	-338.3	156.2	2558.2
50 Total Output	341.1	91.0	5.0	190.5	30.8	8.2	422.2	1338.6	549.0	372.5	1765.8	2166.8	460.4	7741.7
51 Import	38.3	261.0	10.6	0.2	155.0	86.0	490.6	1114.6	95.5	50.3	666.5	397.5	71.0	3437.0
52 Total Supply	379.4	351.9	15.6	190.6	185.8	94.2	912.8	2453.2	644.5	422.8	2432.3	2564.2	531.3	11178.8

Estonia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ.	Science
					Prod.	PROD.							Health	
1 Power	9.7	14.0	10.4	6.1	0.5	168.1	15.5	3.4	0.6	16.5	2.0	11.3	29.8	1.0
2 Petro-Gas	9.2	31.1	55.9	1.5	0.2	243.4	3.8	24.3	0.4	2.2	0.3	1.5	4.0	0.9
3 Coal	0.6	2.2	0.6	0.7	0.0	6.0	1.2	0.2	0.1	3.9	0.5	2.7	7.0	0.0
4 Other Fuels	6.8	0.9	0.3	0.3	0.0	149.0	0.2	0.0	0.0	0.6	0.1	0.4	1.1	0.0
5 Ferrous Metals	17.1	4.4	2.1	0.4	0.0	174.4	1.9	0.3	0.0	0.6	0.1	0.4	1.1	0.7
6 N-Ferrous Metals	2.2	0.2	0.3	0.1	0.1	88.0	0.1	0.0	0.0	0.2	0.0	0.1	0.3	0.4
7 Chemicals	16.4	51.5	12.1	1.6	1.0	441.5	6.3	5.1	0.2	1.3	1.2	15.5	18.0	1.4
8 MBMW	80.8	94.4	21.2	6.8	2.8	645.8	10.8	4.7	0.5	8.8	1.1	6.1	16.0	5.2
9 Wood & Paper	53.5	11.7	3.4	5.6	7.9	339.9	2.9	0.4	0.2	4.9	0.6	3.4	8.9	1.0
10 Constr. Materials	197.9	7.6	11.0	2.3	0.0	323.3	4.6	0.2	0.0	2.6	0.3	1.8	4.7	0.4
11 Light Industry	4.7	11.5	4.3	3.7	0.6	1039.2	2.6	0.7	0.1	6.3	0.8	4.3	11.4	0.3
12 Food Industry	0.4	51.2	0.2	2.8	0.0	606.1	1.5	0.0	0.0	21.3	2.7	15.6	39.6	0.1
13 Other Industry	0.9	244.7	1.6	3.5	9.1	322.6	3.0	0.4	0.1	4.6	0.6	3.2	8.4	0.3
14 Total Industry	400.3	525.5	123.5	35.3	22.1	4547.4	54.4	39.7	2.2	73.9	10.1	66.3	150.3	11.7
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	1.9	353.2	0.0	3.5	0.0	1724.0	0.0	0.2	0.0	3.5	0.4	2.4	6.3	0.0
17 Production T & C	12.4	26.1	1.4	2.5	2.7	413.0								
18 T & D	0.0	41.4	0.0	0.0	9.6	398.6								
19 Other Prod. Sectors	2.8	2.8	1.6	9.1	0.1	47.9	1.2	1.1	0.5	2.7	0.3	1.8	4.8	0.9
20 Material Outlays	417.4	949.0	126.5	50.4	34.5	7131.0	55.6	41.0	2.7	80.1	10.8	70.6	161.4	12.6
21 Housing-Communal	7.5	14.8	4.2	8.0	0.6	81.9	0.6	0.9	0.6	0.3	0.2	0.3	0.8	0.2
22 N-Prod. Transport	7.8	21.6	3.0	3.2	0.8	58.4	0.9	1.6	0.6	1.3	0.6	1.2	3.1	0.5
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	9.0	0.1	0.2	0.3	0.5	0.4	0.4	1.2	0.4
24 Education	3.8	15.1	2.9	1.8	0.2	45.4	0.3	0.6	0.3	0.0	0.0	0.0	0.0	0.0
25 Culture	0.9	3.3	0.6	0.4	0.0	10.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	3.2	11.8	2.3	1.5	0.2	36.5	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	7.9	30.2	5.9	3.7	0.4	92.3	0.6	1.1	0.6	0.0	0.0	0.0	0.0	0.0
28 Science	9.3	11.7	2.0	2.3	0.1	49.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	2.1
29 Banking & Insurance	6.0	13.0	1.8	27.2	0.2	75.2	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.0
30 State Admin.														
31 Service Outlays	38.4	91.2	16.9	44.4	2.1	356.8	2.3	4.4	2.6	2.1	1.2	1.8	5.1	3.3
32 Defence & Other														
33 Total Outlays	455.8	1040.2	143.4	94.8	36.6	7487.8	57.9	45.4	5.3	82.2	12.0	72.4	166.5	15.9
34 Depreciation	46.5	185.2	127.9	27.6	5.2	857.8	136.6	39.0	8.2	33.6	3.5	18.8	56.0	15.0
35 Wages	258.9	172.5	105.8	140.4	31.1	1313.3	70.1	85.6	14.3	124.5	25.8	85.2	235.5	36.1
36 Other Wages	8.6	1.8	7.9	2.9	0.3	36.1	0.6	1.6	0.4	0.7	0.1	0.8	1.6	1.1
37 Kolkhoz Pay	29.6	163.6	3.4	0.0	0.0	281.6				2.6	0.3	1.6	4.5	
38 Social Security	15.3	8.8	8.3	11.2	2.3	120.9	7.1	6.7	1.2	8.7	1.8	5.9	16.4	3.8
39 Kolkhoz Soc. Sec.	0.4	17.5	0.0	0.0	0.0	28.6				0.3	0.0	0.2	0.5	
40 Net Profit	51.7	144.4	69.0	121.5	13.2	1106.4	7.6	54.8	25.7	0.0	0.0	0.0	0.0	0.6
41 Bonus Wages	18.1	19.5	8.1	29.4	0.5	158.2	8.0	7.2	2.0	2.6	1.3	1.8	5.7	6.1
42 Turnover Tax	0.0	0.0	0.0	0.9	0.0	708.4								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-721.3								
44 Other Net Income	0.0	0.0	8.5	0.0	0.0	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	122.9	0.0	0.0	0.0	199.3								
46 Private Income	8.0	272.8	0.0	0.0	6.8	287.6	28.0	16.0	0.0	11.0	2.0	18.0	31.0	
47 Total Losses	-11.1	-20.7	-0.9	-0.8	-0.2	-51.6		-0.6	-0.5					
48 Net Foreign Trade		144.5		-1352.0	11.2	-662.8								
49 G N P	408.0	1213.3	329.9	-1048.2	69.8	3531.0	250.0	203.1	49.3	184.0	34.8	132.3	351.2	56.6
50 Total Output	863.8	2109.0	473.3	398.6	95.2	11681.6	307.9	248.5	54.6	266.2	46.9	204.7	517.7	72.5
51 Import	0.0	176.6	0.0	0.0	19.9	3633.5								
52 Total Supply	863.8	2285.6	473.3	398.6	115.1	15315.1	307.9	248.5	54.6	266.2	46.9	204.7	517.7	72.5

Estonia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 3

	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & Insur.	State Admin.	TOTAL SERV.	Defense & Other	TOTAL OUTLAY	House-holds	-/- Paid	-/- Free	Govern.	Defense & Other	Total Fixed	Invent.	Net Export	G N P
1 Power	0.2	0.6	51.1	0.0	219.2	26.6	26.6				0.0	0.0	0.0	26.6
2 Petro-Gas	0.3	1.0	34.7	9.9	288.0	46.3	46.3				0.0	9.4	0.0	55.7
3 Coal	0.0	0.1	8.6	0.2	14.8	0.8	0.8				0.0	0.0	0.0	0.8
4 Other Fuels	0.0	0.0	1.3	0.0	150.3	5.4	5.4				0.0	19.0	0.0	24.4
5 Ferrous Metals	0.0	0.1	4.1	0.1	178.6	0.9	0.9				0.0	-0.5	0.0	0.4
6 N-Ferrous Metals	0.0	0.0	0.8	0.0	88.8	0.0	0.0				0.0	-2.7	0.0	-2.7
7 Chemicals	0.1	0.5	31.6	24.3	497.4	95.9	95.9				0.0	11.4	0.0	107.3
8 MBMW	0.2	0.8	38.2	228.3	912.3	244.6	244.6				740.7	-13.0	0.0	972.2
9 Wood & Paper	0.1	0.3	13.8	0.0	353.7	111.1	111.1				8.7	16.6	0.0	136.5
10 Constr. Materials	0.0	0.0	9.9	0.0	333.2	28.1	28.1				0.0	29.0	0.0	57.2
11 Light Industry	0.0	0.2	15.3	18.9	1073.4	643.1	643.1				0.0	-123.3	0.0	519.8
12 Food Industry	0.0	0.0	41.2	15.1	662.4	1314.0	1314.0				0.0	-183.3	0.0	1130.8
13 Other Industry	0.2	0.5	12.9	0.0	335.5	55.4	55.4				0.0	83.0	0.0	138.4
14 Total Industry	1.1	4.1	263.5	296.8	5107.7	2572.3	2572.3				749.4	-154.4	0.0	3167.3
15 Construction			0.0	0.0	0.0	0.0	0.0				863.9	0.0	0.0	863.9
16 Agri. & Forestry	0.0	0.0	6.5	3.0	1733.6	249.2	249.2		48.5		17.8	204.5	0.0	520.0
17 Production T & C	0.0	0.0	0.0	0.0	413.0	0.0	0.0		60.3		0.0	0.0	0.0	60.3
18 T & D			0.0	0.0	398.6	0.0	0.0				0.0	0.0	-1352.0	-1352.0
19 Other Prod. Sectors	0.1	0.6	9.2	0.2	57.3	49.3	49.3				0.0	-0.1	0.0	49.1
20 Material Outlays	1.2	4.7	279.3	300.0	7710.2	2870.7	2870.7	0.0	108.8	0.0	1631.1	50.0	-1352.0	3308.6
21 Housing-Communal	0.3	0.3	3.6	0.2	85.7	205.4	101.9	103.5	11.9	4.9				222.2
22 N-Prod. Transport	0.5	1.3	8.5	2.7	69.6	100.7	100.7	0.0	0.0	32.7			45.5	178.9
23 N-Prod. Commun.	0.3	0.9	3.6	0.0	3.6	23.4	23.4	0.0	23.4	12.3			-8.1	51.0
24 Education	0.0	0.0	1.2	0.0	46.6	219.6	17.1	202.5	0.0	0.0				219.6
25 Culture	0.0	0.0	0.3	0.0	10.7	36.2	25.3	10.9	0.0	0.0				36.2
26 Health, etc.	0.0	0.0	0.9	0.0	37.4	167.4	58.2	109.2	0.0	0.0				167.4
27 Educ., Cult. & Health	0.0	0.0	2.3	0.0	94.6	423.2	100.6	322.6	0.0	0.0				423.2
28 Science	0.0	0.0	2.5	0.0	51.7	0.0	0.0	0.0	67.0	101.6			-147.8	20.8
29 Banking & Insurance	0.0	0.0	0.7	0.0	75.9	18.0	18.0	0.0	0.0	0.0			15.0	33.0
30 State Admin.					0.0	33.9	33.9	0.0	17.6	0.0				51.5
31 Service Outlays	1.1	2.5	21.3	2.9	381.0	804.6	378.5	426.1	119.9	151.5	0.0	0.0	-95.4	980.6
32 Defence & Other					0.0	0.0	0.0	0.0	0.0	552.4				552.4
33 Total Outlays	2.3	7.2	300.6	302.9	8091.3	3675.3	3249.2	426.1	228.7	703.9	1631.1	50.0	-1447.4	4841.6
34 Depreciation	0.7	4.1	259.6	0.0	1117.4									
35 Wages	6.7	36.6	484.9	135.5	1933.7									
36 Other Wages	0.5	1.3	7.1	7.1	50.3									
37 Kolkhoz Pay			4.5		286.1									
38 Social Security	0.5	2.3	38.0	14.9	173.8									
39 Kolkhoz Soc. Sec.			0.5		29.1									
40 Net Profit	83.2	0.0	171.9	92.0	1370.3									
41 Bonus Wages	3.5	0.0	32.5		190.7									
42 Turnover Tax			0.0		708.4									
43 Net Subsidies			0.0		-721.3									
44 Other Net Income	0.0	0.0	0.0		26.5									
45 Kolkhoz Income			0.0		199.3									
46 Private Income			75.0		362.6									
47 Total Losses			-1.1		-52.7									
48 Net Foreign Trade	15.0		15.0		-647.8									
49 G N P	106.6	44.3	1061.1	249.5	4841.6									
50 Total Output	93.9	51.5	1346.7	552.4	13580.7									
51 Import			0.0		3633.5									
52 Total Supply	93.9	51.5	1346.7	552.4	17214.2									

Estonia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
		USES
1 Power	133.6	379.4
2 Petro-Gas	8.1	351.9
3 Coal	0.0	15.6
4 Other Fuels	16.0	190.6
5 Ferrous Metals	6.7	185.7
6 N-Ferrous Metals	8.0	94.1
7 Chemicals	308.1	912.8
8 MBMW	568.6	2453.1
9 Wood & Paper	154.3	644.5
10 Constr. Materials	32.5	422.9
11 Light Industry	839.1	2432.4
12 Food Industry	771.1	2564.3
13 Other Industry	57.5	531.4
14 Total Industry	2903.6	11178.6
15 Construction	0.0	863.9
16 Agri. & Forestry	32.1	2285.7
17 Production T & C	0.0	473.3
18 T & D	0.0	398.6
19 Other Prod. Sectors	8.7	115.2
20 Material Outlays	2944.4	15315.2
21 Housing-Communal		307.9
22 N-Prod. Transport		248.5
23 N-Prod. Communic.		54.6
24 Education		266.2
25 Culture		46.9
26 Health, etc.		204.8
27 Educ., Cult. & Health		517.8
28 Science		72.5
29 Banking & Insurance		93.9
30 State Admin.		51.5
31 Service Outlays	0.0	1346.6
32 Defence & Other		552.4
33 Total Outlays	2944.4	17214.3
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Georgia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood & Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	0.7	0.6	2.3	0.0	49.3	1.7	27.9	34.0	6.1	21.5	13.9	30.2	26.1	214.5
2 Petro-Gas	96.9	145.1	0.6	0.1	26.8	1.0	10.6	14.4	7.5	26.0	7.5	24.7	2.1	363.1
3 Coal	2.0	0.0	34.1	0.0	25.1	0.1	0.1	1.7	0.1	0.3	0.1	0.4	0.0	63.9
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	1.0	0.1	0.6	0.0	207.3	1.2	2.3	230.6	3.7	47.5	0.6	1.5	3.3	499.7
6 N-Ferrous Metals	0.1	0.0	0.0	0.0	1.3	17.6	7.7	84.9	3.2	0.4	0.9	4.7	9.6	130.4
7 Chemicals	0.9	0.6	0.8	0.2	5.8	1.9	249.6	107.2	14.4	11.5	123.0	8.9	14.7	539.6
8 MBMW	5.2	0.7	1.0	0.1	33.0	1.6	6.0	658.0	11.3	23.3	13.5	19.2	2.0	774.9
9 Wood & Paper	2.1	0.1	2.4	0.0	6.5	0.5	6.4	20.4	194.9	13.4	6.8	53.8	17.0	324.4
10 Constr. Materials	0.2	0.6	0.0	0.0	1.8	0.7	3.8	22.1	6.5	192.1	0.3	21.1	2.0	251.2
11 Light Industry	0.3	0.1	0.1	0.0	1.6	0.2	1.7	12.4	12.7	2.1	1416.5	7.5	12.5	1467.5
12 Food Industry	0.2	0.0	0.0	0.0	1.2	0.1	8.6	2.4	0.5	0.5	2.2	2116.1	21.4	2153.2
13 Other Industry	0.9	0.1	0.9	0.0	1.0	0.1	4.1	14.3	2.7	1.1	9.0	30.8	41.1	106.1
14 Total Industry	110.4	148.1	42.9	0.4	360.7	26.7	328.7	1202.5	263.7	339.6	1594.3	2318.9	151.8	6888.5
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	3.6	0.0	376.7	1812.6	104.4	2302.5
17 Production T & C	1.4	112.4	7.9	0.2	57.5	1.3	22.8	46.4	13.8	176.9	12.0	43.3	32.8	528.8
18 T & D	0.0	44.1	1.9	0.0	11.3	0.3	47.4	57.9	24.0	25.3	85.8	227.1	29.6	554.6
19 Other Prod. Sectors	2.1	0.0	0.0	0.0	2.0	0.0	2.8	14.8	8.0	11.9	6.0	7.7	1.5	56.8
20 Material Outlays	113.9	304.6	52.7	0.6	431.5	28.4	406.8	1321.7	313.0	553.7	2074.8	4409.5	320.2	10331.3
21 Housing-Communal	8.3	0.5	0.7	0.0	2.5	0.9	4.9	26.7	9.1	6.0	20.9	18.0	1.0	99.6
22 N-Prod. Transport	1.9	0.0	0.7	0.1	0.6	0.2	1.2	15.7	6.6	5.3	9.5	12.8	0.7	55.3
23 N-Prod. Commun.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	6.5	0.2	0.4	0.0	1.4	0.5	2.7	14.4	4.9	3.2	9.5	11.8	0.5	55.9
25 Culture	0.8	0.0	0.1	0.0	0.3	0.1	0.6	3.9	1.1	0.7	2.0	2.6	0.1	12.4
26 Health, etc.	4.3	0.2	0.3	0.0	1.1	0.4	2.1	9.6	3.2	2.5	7.2	9.2	0.4	40.4
27 Educ., Cult. & Health	11.6	0.4	0.7	0.0	2.7	1.0	5.3	27.9	9.2	6.5	18.7	23.5	1.1	108.6
28 Science	12.8	0.5	0.1	0.1	0.8	0.7	2.2	40.1	2.5	3.3	7.0	11.8	0.1	81.9
29 Banking & Insurance	3.9	0.2	0.2	0.0	0.7	0.2	1.4	18.4	2.5	1.7	12.7	20.8	0.3	63.0
30 State Admin														
31 Service Outlays	38.5	1.6	2.4	0.3	7.3	3.0	15.1	128.8	29.8	22.7	68.8	86.9	3.1	408.5
32 Defense & Other														
33 Total Outlays	152.4	306.2	55.1	0.9	438.8	31.4	421.9	1450.4	342.9	576.4	2143.6	4496.4	323.3	10739.8
34 Depreciation	76.5	20.0	14.0	0.0	72.4	8.5	62.7	167.2	25.2	61.4	49.9	127.9	19.6	705.2
35 Wages	20.2	3.2	22.4	0.2	63.4	6.4	52.5	353.3	70.6	168.4	198.8	168.6	29.4	1157.2
36 Other Wages	0.4	0.1	0.6	0.0	1.4	0.2	0.9	7.5	1.1	3.0	2.7	4.3	0.5	22.7
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	2.7	0.0	5.3	0.7	9.8
38 Social Security	2.1	0.4	2.1	0.0	6.5	0.7	6.5	44.8	6.8	17.4	25.0	20.8	2.5	135.7
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.0	0.3	0.1	0.9
40 Net Profit	114.1	2.6	12.5	0.0	-0.4	12.0	58.4	166.5	52.2	55.3	183.1	417.0	20.4	1094.6
41 Bonus Wages	2.5	0.6	1.4	0.0	5.7	0.8	4.8	28.1	4.5	6.0	15.7	11.9	3.4	85.3
42 Turnover Tax	23.9	85.2	0.0	0.0	0.2	0.0	71.3	43.6	7.6	18.9	451.8	895.7	80.9	1679.0
43 Net Subsidies	0.0	0.0	-18.3	0.0	0.0	0.0	-11.5	-0.6	0.0	0.0	-22.4	-378.5	0.0	-431.3
44 Other Net Income	0.0	0.0	0.8	0.0	8.0	1.5	6.5	0.0	0.0	21.4	0.0	53.0	0.0	91.2
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.8	0.0	3.4	0.5	6.5
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-9.4	-2.6	-1.9	0.0	-9.6	-1.0	-9.2	-26.2	-5.1	-8.7	-21.3	-17.0	-5.7	-117.8
48 Net Foreign Trade	33.7	320.7	4.1	0.2	82.4	54.7	200.0	530.7	176.7	129.4	-55.1	-1286.9	31.8	222.4
49 G N P	261.5	429.5	36.4	0.4	224.3	84.0	438.0	1287.7	336.1	471.2	812.4	13.9	180.7	4576.1
50 Total Output	380.2	415.0	87.4	1.1	580.7	60.7	659.9	2207.4	502.3	918.2	3011.1	5797.2	472.2	15093.5
51 Import	49.7	420.3	13.0	0.2	460.2	97.3	521.1	1479.4	250.6	162.9	1214.3	1145.7	124.5	5939.2
52 Total Supply	429.9	835.3	100.4	1.3	1040.9	158.0	1181.0	3686.8	752.9	1081.1	4225.4	6942.9	596.7	21032.7

Georgia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Science	
						Prod.	PROD.						Health	
1 Power	32.2	8.5	20.3	22.2	1.2	298.8	16.7	10.6	3.3	12.1	1.5	8.3	21.9	5.5
2 Petro-Gas	50.4	34.7	88.5	4.4	0.5	541.7	10.4	63.3	0.0	5.1	0.6	3.5	9.2	2.9
3 Coal	0.1	2.7	0.7	1.1	0.0	68.5	5.4	0.3	0.2	2.8	0.3	1.9	5.1	0.1
4 Other Fuels	0.1	1.1	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	68.4	4.7	2.8	1.5	0.0	577.0	0.5	0.5	0.0	0.5	0.1	0.3	0.9	5.6
6 N-Ferrous Metals	1.2	0.0	0.1	0.0	0.5	132.3	0.0	0.1	0.0	0.1	0.0	0.0	0.1	3.0
7 Chemicals	25.0	64.9	20.4	4.3	2.2	656.5	4.5	11.9	0.0	2.0	1.8	23.4	27.2	3.4
8 MBMW	131.1	43.7	41.0	11.5	3.9	1006.1	6.6	18.2	0.8	9.8	1.2	6.7	17.7	23.5
9 Wood & Paper	95.0	3.3	1.4	10.8	9.9	444.8	1.7	0.6	0.6	7.0	0.8	4.8	12.6	1.6
10 Constr. Materials	544.2	8.0	1.7	8.7	0.0	813.8	5.5	0.2	0.0	1.9	0.2	1.3	3.4	1.1
11 Light Industry	4.6	7.3	2.5	11.0	0.6	1493.6	2.8	0.8	0.2	14.4	1.7	9.9	26.0	1.1
12 Food Industry	1.0	11.6	0.1	18.3	0.0	2184.2	2.3	0.0	0.0	74.4	9.3	54.6	138.2	0.1
13 Other Industry	18.0	205.1	2.4	5.1	10.7	347.4	8.1	4.0	0.2	8.5	1.0	5.9	15.4	0.6
14 Total Industry	971.4	395.6	181.9	99.0	29.6	8565.9	64.5	110.5	5.3	153.5	18.6	105.5	277.5	48.5
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.1	412.6	0.0	8.3	0.0	2723.6	0.1	0.0	0.0	9.5	1.1	6.5	17.1	0.1
17 Production T & C	2.3	85.9	0.8	3.6	20.4	641.9								
18 T & D	0.0	129.8	0.0	0.0	23.9	708.4								
19 Other Prod. Sectors	11.2	3.6	2.0	12.5	0.4	86.5	0.0	0.5	3.6	7.4	0.9	5.1	13.4	1.6
20 Material Outlays	985.0	1027.5	184.7	123.4	74.3	12726.3	64.6	111.0	8.9	170.3	20.6	117.0	308.0	50.2
21 Housing-Communal	28.3	18.7	5.6	15.8	1.1	169.0	1.6	1.8	1.2	1.3	0.5	0.9	2.7	0.6
22 N-Prod. Transport	34.1	31.7	2.7	7.3	1.3	132.3	2.5	3.2	1.0	4.9	1.7	3.8	10.5	2.1
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.7	1.7	1.0	1.3	4.1	1.7
24 Education	18.8	25.2	3.9	4.3	0.3	108.4	0.8	1.1	0.7	0.0	0.0	0.0	0.0	0.0
25 Culture	4.3	5.9	0.9	1.0	0.1	24.5	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	16.2	19.3	3.0	3.7	0.3	82.9	0.6	0.9	0.5	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	39.3	50.4	7.8	9.0	0.7	215.8	1.5	2.2	1.3	0.0	0.0	0.0	0.0	0.0
28 Science	60.0	26.9	3.9	4.9	0.2	177.8	0.2	0.4	0.6	0.0	0.0	0.0	0.0	8.5
29 Banking & Insurance	29.7	21.2	2.3	51.6	0.5	168.3	0.3	0.5	0.7	0.0	0.0	0.0	0.0	0.2
30 State Admin														
31 Service Outlays	191.3	148.9	22.3	88.6	3.7	863.2	6.3	8.6	5.6	8.0	3.2	6.0	17.2	13.1
32 Defense & Other														
33 Total Outlays	1176.3	1176.4	206.9	212.0	78.1	13589.5	70.9	119.6	14.5	178.3	23.8	123.0	325.2	63.3
34 Depreciation	135.1	253.2	269.1	54.8	9.9	1427.3	248.8	81.1	13.5	67.2	7.1	37.7	112.0	17.0
35 Wages	786.8	526.0	252.6	121.4	65.8	2909.8	158.6	118.0	71.5	407.3	65.3	241.4	714.0	123.8
36 Other Wages	17.8	4.1	2.3	1.8	0.5	49.2	3.3	4.4	1.5	2.1	0.8	2.0	4.9	2.8
37 Kolkhoz Pay	21.2	468.3	0.1	0.0	0.0	499.3				4.5	0.6	2.7	7.8	
38 Social Security	69.4	26.3	29.3	9.8	4.5	275.0	8.9	9.9	3.8	29.5	4.7	17.6	51.8	15.4
39 Kolkhoz Soc. Sec.	0.5	47.2	0.7	0.0	0.0	49.3				0.5	0.1	0.3	0.9	
40 Net Profit	157.8	-38.8	-14.0	313.9	20.2	1533.7	20.9	47.1	31.2	0.0	0.0	0.0	0.0	18.9
41 Bonus Wages	21.6	20.0	20.3	4.5	3.8	155.6	10.5	18.1	4.1	3.7	1.9	2.5	8.1	13.5
42 Turnover Tax	0.0	0.0	0.0	0.2	0.0	1679.2								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-431.3								
44 Other Net Income	0.0	0.0	20.8	0.0	0.0	112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	140.8	0.0	0.0	0.0	147.3								
46 Private Income	71.0	1773.2	0.0	0.0	41.8	1886.0	52.0	25.0	0.0	30.0	5.0	47.0	82.0	0.0
47 Total Losses	-208.0	-80.7	-2.5	-5.4	-1.2	-415.6		-1.4	-0.5					
48 Net Foreign Trade		87.4	-1771.0	15.1	-1446.1									
49 G N P	1051.7	3206.9	558.4	-1274.6	156.6	8275.2	492.5	284.1	121.0	544.8	85.5	351.2	981.5	177.9
50 Total Output	2228.1	4295.9	765.3	708.4	219.5	23310.8	563.4	403.7	135.5	723.2	109.3	474.2	1306.7	241.3
51 Import	0.0	371.0	0.0	0.0	26.1	6336.3								
52 Total Supply	2228.1	4666.9	765.3	708.4	245.6	29647.1	563.4	403.7	135.5	723.2	109.3	474.2	1306.7	241.3

Georgia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & Insur.	State Admin.	TOTAL DEFENCE SERV. & Other	TOTAL HOUSEHOLD OUTLAY	Households Paid	Households Free	Govt. & Other	Defence	Total Fixed	Invent.	Net Export	G N P		
1 Power	0.1	0.4	58.5	0.0	357.3	56.5	56.5		0.0	0.0	0.0	56.5		
2 Petro-Gas	0.4	1.8	88.0	18.0	647.7	244.5	244.5		0.0	-156.6	0.0	87.9		
3 Coal	0.1	0.3	11.5	0.3	80.3	2.3	2.3		0.0	9.0	0.0	11.3		
4 Other Fuels	0.0	0.0	0.0	0.1	1.4	0.0	0.0		0.0	-0.1	0.0	-0.1		
5 Ferrous Metals	0.0	0.0	7.5	0.1	584.6	6.7	6.7		0.0	71.8	0.0	78.5		
6 N-Ferrous Metals	0.0	0.0	3.2	0.0	135.5	0.0	0.0		0.0	-20.0	0.0	-20.0		
7 Chemicals	0.2	0.7	47.9	44.0	748.4	196.8	196.8		0.0	-85.3	0.0	111.5		
8 MBMW	0.1	0.4	67.3	219.3	1292.7	598.2	598.2		1333.1	-485.9	0.0	1445.5		
9 Wood & Paper	0.1	0.6	17.8	0.0	462.7	170.1	170.1		12.1	34.3	0.0	216.5		
10 Constr. Materials	0.0	0.1	10.3	0.1	824.2	87.3	87.3		0.0	136.1	0.0	223.4		
11 Light Industry	0.1	0.6	31.6	24.5	1549.7	1047.2	1047.2		0.0	359.3	0.0	1406.5		
12 Food Industry	0.0	0.0	140.6	17.3	2342.1	2048.8	2048.8		0.0	119.3	0.0	2168.1		
13 Other Industry	0.2	0.6	29.1	0.0	376.5	229.3	229.3		1.3	-103.0	0.0	127.5		
14 Total Industry	1.3	5.5	513.1	323.7	9402.7	4687.7	4687.7		1346.5	-121.1	0.0	5913.1		
15 Construction					0.0				2228.1	0.0	0.0	2228.1		
16 Agri. & Forestry	0.0	0.1	17.4	3.3	2744.3	1425.8	1425.8	79.8	111.7	21.9	0.0	1639.1		
17 Production T & C	0.0		0.0		641.9	0.0	0.0	123.4	0.0	0.0	0.0	123.4		
18 T & D			0.0		708.4	0.0	0.0		0.0	0.0	-1771.0	-1771.0		
19 Other Prod. Sectors	1.0	4.2	24.3		110.8	95.9	95.9		1.0	26.8	0.0	123.7		
20 Material Outlays	2.3	9.8	554.8	327.0	13608.1	6209.3	6209.4	0.0	203.2	0.0	3687.3	-72.4	-1771.0	8256.4
21 Housing-Communal	1.2	1.1	10.2	5.2	184.4	350.8	190.6	160.2	22.8	5.4			379.0	
22 N-Prod. Transport	1.8	4.7	25.8	17.8	175.9	295.8	295.8	0.0	0.0	3.6		-71.6	227.8	
23 N-Prod. Commun.	2.3	3.2	12.8	0.0	12.8	53.8	53.8	0.0	43.4	32.4		-6.9	122.7	
24 Education	0.5	0.0	3.1		111.5	611.7	42.7	569.0	0.0	0.0			611.7	
25 Culture	0.1	0.0	0.7		25.2	84.1	43.9	40.2	0.0	0.0			84.1	
26 Health, etc.	0.4	0.0	2.4		85.3	388.9	112.5	276.4	0.0	0.0			388.9	
27 Educ., Cult. & Health	1.1	0.0	6.1		221.9	1084.7	199.1	885.6	0.0	0.0			1084.7	
28 Science	0.0	0.0	9.7		187.5	0.0	0.0	0.0	107.1	67.3		-120.5	53.9	
29 Banking & Insurance	0.0	0.0	1.6		170.0	9.1	9.1	0.0	0.0	0.0		25.0	34.1	
30 State Admin						77.8	77.8	0.0	48.5	0.0			126.3	
31 Service Outlays	6.4	9.0	66.2	23.0	952.5	1872.0	826.2	1045.8	221.8	108.7	0.0	0.0	-174.0	2028.5
32 Defense & Other									1330.6				1330.6	
33 Total Outlays	8.7	18.8	621.0	350.0	14560.6	8081.3	7035.6	1045.8	425.0	1439.3	3687.3	-72.4	-1945.0	11615.6
34 Depreciation	1.0	5.7	479.1	26.6	1933.0									
35 Wages	14.5	93.0	1293.4	856.0	5059.2									
36 Other Wages	0.5	1.7	19.1	24.8	93.1									
37 Kolkhoz Pay			7.8		507.1									
38 Social Security	1.4	7.1	98.3	73.2	446.5									
39 Kolkhoz Soc. Sec.			0.9		50.2									
40 Net Profit	153.0	0.0	271.1	0.0	1804.8									
41 Bonus Wages	5.3	0.0	59.6		215.2									
42 Turnover Tax			0.0		1679.2									
43 Net Subsidies			0.0		-431.3									
44 Other Net Income	0.0	0.0	0.0		112.0									
45 Kolkhoz Income			0.0		147.3									
46 Private Income	0.0	0.0	159.0		2045.0									
47 Total Losses			-1.9		-417.5									
48 Net Foreign Trade	25.0		25.0		-1421.1									
49 G N P	195.4	107.5	2359.9	980.6	11615.6									
50 Total Output	179.1	126.3	2956.0	1330.6	33933.6									
51 Import					6336.3									
52 Total Supply	179.1	126.3	2956.0	1330.6	33933.6									

Georgia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
		USES
1 Power	16.0	429.8
2 Petro-Gas	99.6	835.2
3 Coal	8.9	100.5
4 Other Fuels	0.0	1.3
5 Ferrous Metals	377.8	1040.9
6 N-Ferrous Metals	42.6	158.0
7 Chemicals	321.1	1181.0
8 MBMW	948.7	3686.9
9 Wood & Paper	73.9	753.1
10 Constr. Materials	33.5	1081.0
11 Light Industry	1269.4	4225.6
12 Food Industry	2432.6	6942.8
13 Other Industry	92.7	596.8
14 Total Industry	5716.9	21032.6
15 Construction	0.0	2228.1
16 Agri. & Forestry	283.6	4667.0
17 Production T & C	0.0	765.3
18 T & D	0.0	708.4
19 Other Prod. Sectors	11.0	245.5
20 Material Outlays	6011.4	29647.0
21 Housing-Communal		563.4
22 N-Prod. Transport		403.7
23 N-Prod. Communic.		135.5
24 Education		723.2
25 Culture		109.3
26 Health, etc.		474.2
27 Educ., Cult. & Health		1306.6
28 Science		241.4
29 Banking & Insurance		179.1
30 State Admin		126.3
31 Service Outlays		2956.0
32 Defense & Other		1330.6
33 Total Outlays	6011.4	33933.5
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Kazakhstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	48.4	49.1	33.8	0.0	110.6	138.0	148.4	118.8	29.7	98.2	42.8	70.0	28.2	916.1
2 Petro-Gas	215.2	632.3	7.3	0.0	58.5	61.5	76.7	72.3	11.8	103.3	6.4	31.6	2.7	1279.4
3 Coal	208.1	0.0	198.1	0.0	180.4	19.8	3.3	24.0	1.5	39.6	3.6	10.2	0.9	689.5
4 Other Fuels	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.1	0.0	0.0	0.0	3.4
5 Ferrous Metals	14.1	2.2	11.8	0.0	420.4	50.0	125.4	768.3	24.5	136.8	7.3	16.8	2.6	1580.4
6 N-Ferrous Metals	1.4	0.1	0.2	0.0	53.2	1530.4	23.0	204.5	1.2	3.0	1.8	9.5	3.7	1831.9
7 Chemicals	9.9	11.2	18.8	0.0	41.3	98.2	625.3	272.5	34.2	31.8	100.8	18.3	50.9	1313.2
8 MBMW	72.5	8.3	48.2	0.0	73.8	103.3	82.2	2399.9	35.8	78.7	42.7	37.1	18.8	3001.2
9 Wood & Paper	2.5	1.0	23.3	0.0	8.6	18.7	46.4	84.6	352.0	37.3	15.4	55.9	29.3	675.1
10 Constr. Materials	5.3	0.4	8.9	0.0	5.0	21.2	14.6	47.1	30.8	529.2	2.7	15.7	1.2	682.0
11 Light Industry	3.9	1.1	7.0	0.0	5.6	11.2	29.7	55.4	38.1	12.0	2392.9	59.9	123.2	2740.1
12 Food Industry	4.2	0.2	1.3	0.0	1.6	5.7	38.9	9.4	0.8	3.6	24.1	1671.1	76.3	1837.2
13 Other Industry	20.6	0.1	0.8	0.0	2.1	1.6	3.1	17.2	2.8	9.1	5.1	48.6	117.5	228.7
14 Total Industry	608.3	706.0	359.5	0.0	961.1	2059.8	1217.0	4074.7	563.3	1082.6	2645.6	2044.8	455.4	16778.0
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.3	0.0	0.0	0.0	0.1	0.0	26.0	0.9	6.7	0.0	1499.0	6550.2	293.3	8376.5
17 Production T & C	35.4	445.0	207.6	5.3	241.2	174.3	429.7	612.6	251.8	594.6	281.3	344.8	56.6	3680.4
18 T & D	0.0	117.1	62.5	0.0	38.8	6.2	133.0	223.0	39.9	31.1	314.9	891.3	39.0	1896.7
19 Other Prod. Sectors	3.1	5.5	3.3	0.0	64.5	20.3	17.9	22.1	7.5	13.0	13.5	18.8	7.4	196.9
20 Material Outlays	647.1	1273.6	632.9	5.3	1305.7	2260.6	1823.5	4933.3	869.2	1721.3	4754.3	9849.9	851.7	30928.5
21 Housing-Communal	7.9	11.0	8.6	0.0	12.9	17.6	11.7	33.8	6.5	11.4	27.9	30.0	6.9	186.1
22 N-Prod. Transport	2.9	0.9	6.3	0.0	4.0	5.6	3.8	17.9	4.7	10.0	11.1	5.5	4.6	77.3
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	4.2	5.2	4.6	0.0	6.9	9.4	6.3	16.3	3.5	6.2	11.1	11.0	3.7	88.5
25 Culture	0.9	1.1	1.0	0.0	1.2	1.8	1.4	3.6	0.8	1.4	1.8	2.0	0.8	17.8
26 Health, etc.	0.0	4.0	3.6	0.0	5.4	7.4	4.9	13.2	2.7	3.8	7.8	8.6	2.9	64.4
27 Educ., Cult. & Health	5.2	10.3	9.2	0.0	13.6	18.6	12.6	33.1	7.0	11.3	20.7	21.6	7.4	170.7
28 Science	6.7	10.4	3.5	0.0	3.7	11.7	4.4	40.7	1.3	7.2	5.9	4.8	0.4	100.8
29 Banking & Insurance	2.5	5.5	2.4	0.0	3.6	4.8	3.2	20.9	1.8	3.2	14.9	38.3	1.9	102.9
30 State Admin.														0.0
31 Service Outlays	25.1	38.1	30.0	0.0	37.7	58.3	35.7	146.4	21.3	43.1	80.6	100.3	21.2	637.8
32 Defense & Other														0.0
33 Total Outlays	672.2	1311.7	662.9	5.3	1343.5	2318.9	1859.2	5079.7	890.5	1764.4	4834.8	9950.2	872.9	31566.3
34 Depreciation	375.3	596.6	252.8	0.0	330.0	289.3	322.5	356.8	49.2	221.7	86.7	147.7	55.5	3084.0
35 Wages	157.1	48.8	306.0	0.0	219.2	315.8	194.6	923.2	150.0	349.0	397.6	311.1	87.3	3459.6
36 Other Wages	4.0	1.2	6.0	0.0	5.6	7.8	5.0	26.4	3.6	8.6	10.8	8.4	2.1	89.6
37 Kolkhoz Pay	0.2	0.0	0.0	0.0	0.0	0.0	0.0	19.2	6.4	2.7	0.7	7.4	4.1	40.8
38 Social Security	20.3	6.9	27.6	0.0	21.3	31.3	28.3	125.1	9.6	31.9	40.5	32.6	5.1	380.4
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.6	0.3	0.1	1.0	0.4	4.2
40 Net Profit	213.4	357.0	257.2	0.0	251.6	459.8	214.5	606.2	73.2	147.4	407.2	280.8	62.3	3330.6
41 Bonus Wages	15.0	4.1	28.0	0.0	18.3	25.2	15.6	87.5	13.0	28.6	35.9	28.0	6.8	306.2
42 Turnover Tax	115.1	368.7	0.0	0.0	21.9	10.1	141.9	61.3	3.5	48.7	702.6	2009.8	0.5	3484.1
43 Net Subsidies	0.0	0.0	-369.9	0.0	0.0	0.0	-117.8	-163.9	0.0	0.0	-268.6	-3793.2	0.0	-4713.4
44 Other Net Income	0.0	55.0	9.0	0.0	14.0	9.0	11.0	0.0	0.0	35.0	0.0	74.9	0.0	207.9
45 Kolkhoz Income	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-4.9	-1.6	-0.7	-0.2	-1.9	-1.0	-10.3
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-7.2	-5.7	-5.8	0.0	-6.6	-8.4	-8.6	-18.9	-1.6	-5.3	-68.1	-3.4	-2.4	-142.0
48 Net Foreign Trade	112.0	364.8	-176.2	0.9	58.8	-473.3	513.7	4573.7	922.9	166.4	1134.7	1322.8	219.3	8740.5
49 G N P	990.1	1793.4	306.6	0.9	915.8	641.3	1305.0	6506.0	1215.8	1005.7	2443.9	398.1	433.2	17956.0
50 Total Output	1550.3	2740.3	1145.7	5.3	2200.4	3433.5	2650.6	7012.1	1183.5	2603.8	6144.0	9025.5	1086.8	40781.8
51 Import	321.3	1318.7	160.3	0.9	1063.7	536.9	1535.7	5395.6	947.7	308.9	2656.5	1938.1	289.7	16474.0
52 Total Supply	1871.6	4059.0	1306.0	6.2	3264.1	3970.4	4186.3	12407.7	2131.2	2912.7	8800.5	10963.6	1376.5	57255.8

Kazakhstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 2

	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agric.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Science	
						Prod.	PROD.						Health	
1 Power	80.0	98.8	92.6	89.8	3.2	1280.6	63.7	31.7	7.3	73.7	8.9	50.7	133.3	8.7
2 Petro-Gas	160.0	347.1	478.1	27.7	0.8	2293.1	91.8	206.6	11.2	19.5	2.4	13.4	35.2	17.5
3 Coal	8.7	60.0	31.8	22.5	0.1	812.6	14.2	1.7	1.4	28.8	3.5	19.8	52.1	2.6
4 Other Fuels	2.6	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0
5 Ferrous Metals	510.1	7.8	12.3	2.7	0.0	2113.4	7.0	2.1	0.3	1.3	0.2	0.9	2.4	14.3
6 N-Ferrous Metals	8.2	0.3	2.0	0.2	0.2	1842.7	0.0	0.5	0.0	0.9	0.1	0.6	1.7	2.8
7 Chemicals	267.6	369.3	87.3	19.3	1.3	2058.0	12.2	19.1	5.1	7.9	7.2	91.7	106.8	9.2
8 MBMW	731.5	951.5	148.0	48.8	9.5	4890.4	25.7	48.3	9.6	28.0	3.4	19.2	50.6	45.3
9 Wood & Paper	320.8	127.1	20.7	32.4	18.5	1194.5	6.6	5.0	1.5	18.7	2.3	12.9	33.9	6.4
10 Constr. Materials	1877.4	160.9	75.4	26.9	0.2	2822.8	58.5	2.2	1.2	7.4	0.9	5.1	13.3	7.0
11 Light Industry	38.8	23.1	23.1	24.5	2.3	2851.9	4.3	5.0	1.1	62.2	7.6	43.0	112.8	5.7
12 Food Industry	7.1	297.7	1.2	22.2	0.0	2165.4	6.5	2.5	0.0	199.5	24.8	146.5	370.8	0.4
13 Other Industry	10.2	474.5	26.9	10.2	24.4	774.8	6.9	3.8	0.2	21.1	2.6	14.5	38.2	3.3
14 Total Industry	4023.0	2918.0	999.5	327.2	60.5	25106.2	297.4	328.5	39.0	469.1	63.8	418.3	951.2	123.2
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0	
16 Agri. & Forestry	1.0	3642.1	1.0	15.5	0.0	12036.0	13.7	0.1	0.0	27.3	3.3	18.8	49.4	0.0
17 Production T & C	264.1	213.1	9.8	11.8	62.5	4241.6				0.0	0.0	0.0	0.0	
18 T & D	0.0	673.6	0.0	0.0	66.3	2636.6				0.0	0.0	0.0	0.0	
19 Other Prod. Sectors	59.2	43.3	15.9	53.6	1.2	370.1	2.3	4.0	2.4	7.1	0.9	4.9	12.9	2.8
20 Material Outlays	4347.3	7490.0	1026.2	408.1	190.5	44390.6	313.4	332.6	41.4	503.6	67.9	442.0	1013.5	126.0
21 Housing-Communal	91.2	105.3	72.8	52.8	2.0	510.2	3.5	5.3	2.7	4.1	1.0	4.5	9.6	1.8
22 N-Prod. Transport	83.3	144.4	35.5	19.4	2.4	362.3	5.6	9.4	2.3	15.2	3.8	19.4	38.4	6.0
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	1.6	5.4	2.4	6.4	14.2	4.3
24 Education	46.0	111.7	50.9	11.4	0.7	309.2	1.7	3.3	1.5	0.0	0.0	0.0	0.0	0.0
25 Culture	8.6	13.6	7.2	2.6	0.1	50.0	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	29.5	77.0	39.7	9.9	0.5	221.0	1.3	2.6	1.2	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	84.1	202.3	97.8	23.9	1.3	580.2	3.4	6.2	3.0	0.0	0.0	0.0	0.0	0.0
28 Science	136.9	123.0	55.0	7.2	0.4	423.3	0.4	1.5	1.4	0.0	0.0	0.0	0.0	23.7
29 Banking & Insurance	72.6	100.3	30.7	185.4	0.6	492.5	0.6	1.4	1.6	0.0	0.0	0.0	0.0	0.5
30 State Admin.						0.0								
31 Service Outlays	468.2	675.3	291.8	288.7	6.8	2368.6	14.2	25.3	12.8	24.7	7.2	30.3	62.2	36.2
32 Defense & Other						0.0								
33 Total Outlays	4815.5	8165.3	1318.0	696.8	197.2	46759.2	327.6	357.9	54.2	528.3	75.1	472.3	1075.7	162.2
34 Depreciation	593.6	1840.0	1287.8	296.2	13.5	7115.1	959.2	208.9	66.0	235.9	24.9	132.2	393.0	110.0
35 Wages	2559.9	3190.4	998.1	900.9	151.3	11260.2	390.2	516.0	116.7	1350.9	142.3	621.8	2115.0	303.4
36 Other Wages	69.7	38.4	19.7	27.9	0.9	246.1	9.0	19.2	3.4	6.3	2.1	6.1	14.5	6.9
37 Kolkhoz Pay	34.9	540.8	2.4	0.0	0.0	618.9				13.5	1.6	8.1	23.2	
38 Social Security	237.8	158.4	91.6	92.0	11.9	972.2	22.0	43.3	9.2	98.2	10.3	45.1	153.6	37.8
39 Kolkhoz Soc. Sec.	0.4	54.1	0.3	0.0	0.0	59.0				1.5	0.2	0.8	2.5	
40 Net Profit	854.0	495.4	770.9	639.1	30.8	6120.7	35.7	174.2	156.5	0.0	0.0	0.0	0.0	55.4
41 Bonus Wages	112.1	172.6	71.8	95.0	0.0	757.7	25.9	27.5	13.6	10.9	5.7	7.5	24.1	33.0
42 Turnover Tax	0.0	0.0	0.0	0.8	0.0	3484.9								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-4713.4								
44 Other Net Income	0.0	0.0	280.7	0.0	0.0	488.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	298.6	0.0	0.0	0.0	288.3								
46 Private Income	116.7	2725.0	0.0	0.0	38.8	2880.5	170.0	90.0	0.0	95.0	12.0	115.0	222.0	
47 Total Losses	-352.1	-222.3	-19.3	-17.0	-0.5	-753.2		-2.3	-1.8					
48 Net Foreign Trade		-1212.5		-7653.0	13.2	-111.8								
49 G N P	4115.0	7906.2	3432.2	-5713.1	259.8	27956.1	1586.1	1049.3	350.0	1812.2	199.1	936.6	2947.9	513.5
50 Total Output	8930.5	17284.0	4750.2	2636.7	443.9	74827.1	1913.7	1407.2	404.2	2340.5	274.2	1408.9	4023.6	675.7
51 Import	0.0	357.7	0.0	0.0	60.6	16892.3								
52 Total Supply	8930.5	17641.7	4750.2	2636.7	504.5	91719.4	1913.7	1407.2	404.2	2340.5	274.2	1408.9	4023.6	675.7

Kazakhstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank& Insur.	State Admin.	TOTAL SERV.	Defence & Other	TOTAL OUTLAY	House holds	-/- Paid	-/- Free	Govern.	Defence & Other	Total Fixed	Invent.	Net Export	G N P
1 Power	0.4	1.5	246.6	0.0	1527.2	135.1	135.1				0.0	0.0	0.0	135.1
2 Petro-Gas	0.5	2.2	365.0	67.7	2725.8	275.0	275.0				0.0	104.3	0.0	379.3
3 Coal	0.0	0.1	72.1	1.2	885.9	42.0	42.0				0.0	41.6	0.0	83.6
4 Other Fuels	0.0	0.0	0.2	0.3	6.5	0.2	0.2				0.0	-0.5	0.0	-0.3
5 Ferrous Metals	0.0	0.0	26.1	0.5	2140.0	3.8	3.8				0.0	115.5	0.0	119.3
6 N-Ferrous Metals	0.0	0.0	5.0	0.0	1847.7	0.0	0.0				0.0	1112.4	0.0	1112.4
7 Chemicals	0.2	0.9	153.5	166.9	2378.4	454.7	454.7				0.0	331.1	0.0	785.8
8 MBMW	0.9	3.7	184.1	1567.9	6642.4	1436.0	1436.0				6059.4	-2551.9	0.0	4943.4
9 Wood & Paper	2.2	8.7	64.3	0.1	1258.9	581.9	581.9				75.8	189.8	0.0	847.5
10 Constr. Materials	0.1	0.4	82.7	0.2	2905.7	217.0	217.0				0.0	-352.5	0.0	-135.5
11 Light Industry	0.4	1.4	130.7	128.6	3111.2	4258.3	4258.3				146.9	-237.6	0.0	4167.6
12 Food Industry	0.0	0.1	380.3	102.8	2648.5	6548.7	6548.7				0.0	1151.1	0.0	7699.8
13 Other Industry	1.4	5.5	59.3	0.0	834.1	424.9	424.9				13.9	33.3	0.0	472.0
14 Total Industry	6.1	24.5	1769.9	2036.2	28912.3	14377.7	14377.7				6295.9	-63.4	0.0	20610.1
15 Construction					0.0	0.0	0.0				8730.5	0.0	0.0	8930.5
16 Agri. & Forestry	0.0	0.0	63.2	20.3	12119.5	3488.6	3488.6		75.4		437.2	-49.2	0.0	3952.0
17 Production T & C					4241.6	0.0	0.0		508.6		0.0	0.0	0.0	508.6
18 T & D					2636.6	0.0	0.0				0.0	0.0	-7653.0	-7653.0
19 Other Prod. Sectors	1.1	4.4	29.9	0.0	400.0	261.3	261.3				-188.3	-15.9	0.0	57.1
20 Material Outlays	7.2	28.9	1863.0	2056.5	48310.1	18127.6	18127.6	0.0	584.0	0.0	15475.3	-128.6	-7653.0	26405.3
21 Housing-Communal	4.7	1.8	29.4	15.5	555.1	1256.2	572.0	684.2	69.3	33.1				1358.6
22 N-Prod. Transport	6.7	7.5	76.0	6.6	444.9	678.4	678.4	0.0	0.0	254.2			29.7	962.3
23 N-Prod. Commun.	1.0	5.2	28.3	3.4	31.7	158.7	158.7	0.0	108.1	132.7			-27.0	372.5
24 Education	2.0	0.0	8.5	0.0	317.7	2022.8	150.2	1872.6	0.0	0.0				2022.8
25 Culture	0.4	0.0	1.5	0.0	51.5	222.7	104.8	117.9	0.0	0.0				222.7
26 Health, etc.	1.6	0.0	6.6	0.0	227.6	1181.3	230.7	950.6	0.0	0.0				1181.3
27 Educ., Cult. & Health	4.0	0.0	16.7	0.0	596.9	3426.8	485.7	2941.1	0.0	0.0				3426.8
28 Science	0.0	0.0	27.0	0.0	450.3	0.0	0.0	0.0	197.6	465.0			-437.2	225.4
29 Banking & Insurance	0.0	0.0	4.1	0.0	496.6	172.6	172.6	0.0	0.0	0.0			30.0	202.6
30 State Admin.					0.0	239.3	239.3	0.0	131.8	0.0				371.1
31 Service Outlays	16.4	14.4	181.5	25.5	2575.6	5932.0	2306.7	3625.3	506.8	885.0	0.0	0.0	-404.6	6919.2
32 Defense & Other										3279.0				3279.0
33 Total Outlays	23.6	43.3	2044.5	2082.0	50885.7	24059.5	20434.2	3625.3	1090.8	4164.0	15475.3	-128.6	-8057.6	36603.4
34 Depreciation	4.2	23.9	1765.2	92.3	8972.6									
35 Wages	65.3	282.9	3789.5	636.1	15685.8									
36 Other Wages	1.5	5.6	60.1	20.8	327.0									
37 Kolkhoz Pay			23.2		642.1									
38 Social Security	5.9	15.4	287.2	72.1	1331.5									
39 Kolkhoz Soc. Sec.			2.5		61.5									
40 Net Profit	568.7	0.0	990.5	375.7	7487.0									
41 Bonus Wages	17.6	0.0	141.7	0.0	899.4									
42 Turnover Tax					3484.9									
43 Net Subsidies					-4713.4									
44 Other Net Income	0.0	0.0	0.0	0.0	488.6									
45 Kolkhoz Income					288.3									
46 Private Income			482.0		3362.5									
47 Total Losses			-4.1		-757.3									
48 Net Foreign Trade	30.0		30.0		-81.8									
49 G N P	675.6	327.8	7450.2	1197.0	36603.4									
50 Total Output	669.2	371.1	9464.7	3279.0	87570.8									
51 Import					16892.3									
52 Total Supply	669.2	371.1	9464.7	3279.0	104463.1									

Kazakhstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Exports	TOTAL
	USES	
1 Power	209.3	1871.6
2 Petro-Gas	953.9	4059.0
3 Coal	336.5	1306.0
4 Other Fuels	0.0	6.2
5 Ferrous Metals	1004.9	3264.1
6 N-Ferrous Metals	1010.2	3970.3
7 Chemicals	1022.0	4186.3
8 MBMW	821.9	12407.7
9 Wood & Paper	24.8	2131.2
10 Constr. Materials	142.5	2912.7
11 Light Industry	1521.8	8800.5
12 Food Industry	615.3	10963.6
13 Other Industry	70.4	1376.5
14 Total Industry	7733.5	57255.7
15 Construction	0.0	8930.5
16 Agri. & Forestry	1570.2	17641.7
17 Production T & C	0.0	4750.2
18 T & D	0.0	2636.6
19 Other Prod. Sectors	47.4	504.5
20 Material Outlays	9351.1	91719.5
21 Housing-Communal		1913.7
22 N-Prod. Transport		1407.2
23 N-Prod. Communic.		404.2
24 Education		2340.5
25 Culture		274.2
26 Health, etc.		1408.9
27 Educ., Cult. & Health		4023.7
28 Science		675.7
29 Banking & Insurance		669.2
30 State Admin.		371.1
31 Service Outlays	0.0	9899.3
32 Defense & Other		3279.0
33 Total Outlays	9351.1	96840.2
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Kyrgyzstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	1.8	0.5	2.2	0.0	0.1	8.2	0.8	32.6	2.0	13.1	14.4	10.3	3.6	89.8
2 Petro-Gas	31.1	1.0	4.1	0.0	0.1	4.2	1.2	17.6	1.8	20.1	3.0	10.8	2.7	97.5
3 Coal	20.4	0.0	0.8	0.0	0.0	1.1	0.0	2.2	0.0	4.3	0.5	1.2	2.8	33.3
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
5 Ferrous Metals	0.3	0.0	0.7	0.0	0.4	1.8	0.2	147.7	3.7	22.5	1.0	1.6	1.2	181.0
6 N-Ferrous Metals	0.0	0.0	0.0	0.0	0.6	64.0	0.1	99.4	0.2	0.7	0.1	1.4	1.2	167.7
7 Chemicals	1.1	0.2	3.1	0.0	0.2	10.6	12.2	67.1	4.8	4.9	34.7	4.3	9.0	152.1
8 MBMW	3.6	0.2	4.8	0.0	0.1	5.5	0.5	546.8	7.2	11.3	10.1	15.1	4.4	609.6
9 Wood & Paper	0.2	0.0	3.3	0.0	0.0	1.1	0.7	19.5	40.7	2.0	5.7	7.7	2.6	83.4
10 Constr. Materials	0.6	0.0	0.1	0.0	0.1	1.2	1.0	4.5	2.4	64.9	0.8	10.0	0.4	85.9
11 Light Industry	0.3	0.1	0.6	0.0	0.0	1.0	5.8	10.7	6.5	2.0	848.5	8.4	5.4	889.2
12 Food Industry	0.3	0.0	0.0	0.0	0.0	0.4	2.9	2.2	0.5	0.7	7.6	647.4	32.4	694.6
13 Other Industry	3.6	0.0	0.0	0.0	0.0	0.1	0.1	3.1	0.2	0.9	2.1	6.9	24.3	41.3
14 Total Industry	63.2	2.1	19.6	0.0	1.6	99.3	25.5	953.3	70.2	147.7	928.3	724.9	90.1	3125.7
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4	0.0	460.0	1154.1	90.0	1705.7
17 Production T & C	2.0	19.8	16.0	0.0	9.5	7.3	9.8	50.2	11.4	70.3	9.5	18.4	3.4	227.6
18 T & D	0.0	19.0	3.0	0.0	3.1	3.8	20.0	43.3	8.5	10.6	72.0	168.7	6.8	358.7
19 Other Prod. Sectors	1.1	0.0	0.0	0.0	7.2	3.1	0.1	7.6	0.7	1.6	2.5	1.9	1.2	27.1
20 Material Outlays	66.3	40.9	38.7	0.0	21.4	113.5	55.5	1054.4	92.2	230.2	1472.3	2068.1	191.4	5444.8
21 Housing-Communal	2.5	0.1	0.7	0.0	0.1	1.9	0.4	15.0	1.2	1.7	5.3	5.4	1.3	35.6
22 N-Prod. Transport	0.4	0.0	0.7	0.0	0.0	0.4	0.1	8.0	0.9	1.5	2.1	1.0	0.9	15.9
23 N-Prod. Commun.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	1.0	0.1	0.4	0.0	0.0	1.0	0.2	6.2	0.6	0.9	1.8	2.0	0.7	14.9
25 Culture	0.3	0.0	0.1	0.0	0.0	0.2	0.0	1.6	0.1	0.2	0.5	0.4	0.2	3.7
26 Health, etc.	0.7	0.0	0.3	0.0	0.0	0.8	0.2	4.5	0.5	0.7	1.4	1.5	0.6	11.2
27 Educ., Cult. & Health	2.0	0.1	0.8	0.0	0.1	2.0	0.4	12.3	1.3	1.8	3.7	3.9	1.4	29.8
28 Science	2.2	0.1	0.1	0.0	0.0	1.4	0.2	20.6	0.2	0.9	1.4	0.8	0.1	28.1
29 Banking & Insurance	0.8	0.1	0.2	0.0	0.0	0.5	0.1	9.3	0.3	0.5	2.8	6.8	0.4	21.9
30 State Admin.														
31 Service Outlays	7.9	0.4	2.5	0.0	0.2	6.2	1.2	65.2	3.9	6.3	15.4	17.9	4.1	131.3
32 Defense & Other														
33 Total Outlays	74.2	41.4	41.1	0.0	21.6	119.7	56.7	1119.6	96.1	236.4	1487.7	2086.0	195.5	5576.1
34 Depreciation	52.7	6.7	16.4	0.0	0.6	27.6	1.5	109.1	5.4	37.1	31.5	32.1	16.3	337.0
35 Wages	14.8	1.0	31.2	0.0	0.9	21.7	5.9	291.8	21.9	54.0	121.4	55.4	32.2	652.1
36 Other Wages	0.2	0.2	0.4	0.0	0.0	0.4	0.1	6.3	0.2	0.7	1.2	0.8	0.5	11.0
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.2	0.0	0.0	1.6	4.1	13.0
38 Social Security	2.5	0.2	3.0	0.0	0.1	2.7	0.7	40.3	1.7	6.4	15.3	6.7	3.0	82.7
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.2	0.5	1.5
40 Net Profit	47.7	1.3	11.0	0.0	1.8	37.0	10.6	263.2	15.7	25.4	94.2	81.7	25.1	614.7
41 Bonus Wages	2.7	0.2	1.5	0.0	0.1	2.5	0.7	30.6	1.7	4.1	9.8	5.1	3.0	61.9
42 Turnover Tax	16.9	0.0	0.0	0.0	0.0	0.0	2.3	68.4	0.1	10.5	214.6	363.1	26.2	702.1
43 Net Subsidies	0.0	0.0	-17.7	0.0	0.0	0.0	0.0	-14.7	0.0	0.0	-66.0	-552.2	0.0	-650.6
44 Other Net Income	0.0	1.1	2.0	0.0	0.0	3.0	0.2	0.0	0.0	3.0	0.0	4.5	0.0	13.8
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	-4.2	-0.8	-4.8
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-1.7	-0.2	-0.5	0.0	0.0	-0.9	0.0	-3.4	-0.5	-1.2	-9.8	-1.0	-0.8	-20.0
48 Net Foreign Trade	-3.7	304.4	9.4	0.6	189.1	-46.3	333.5	-185.8	142.3	54.5	112.7	197.5	27.0	1135.2
49 G N P	129.5	314.6	55.2	0.6	192.4	45.1	354.8	582.2	188.2	190.5	515.1	186.2	133.2	2887.8
50 Total Output	207.4	51.6	87.0	0.0	24.9	211.2	78.0	1887.6	142.0	372.4	1890.1	2074.7	301.7	7328.7
51 Import	38.3	316.3	29.5	0.6	198.2	95.7	356.3	902.3	147.0	77.9	746.8	728.6	59.6	3697.1
52 Total Supply	245.7	367.9	116.5	0.6	223.1	306.9	434.3	2790.0	289.0	450.3	2637.0	2803.3	361.3	11025.8

Kyrgyzstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 2

	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. &	Science
						Prod. PROD.							Health	
1 Power	8.7	21.6	2.6	5.6	1.0	129.3	11.1	1.9	1.6	10.7	1.3	7.3	19.3	2.7
2 Petro-Gas	37.5	51.9	53.3	1.9	0.3	242.4	6.2	37.7	0.2	2.9	0.4	2.0	5.3	2.8
3 Coal	1.3	10.0	0.9	3.1	0.1	48.7	3.1	0.2	0.3	5.4	0.6	3.7	9.7	0.4
4 Other Fuels	0.2	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	41.0	1.4	0.6	0.4	0.0	224.4	0.5	0.1	0.0	0.3	0.0	0.2	0.6	1.4
6 N-Ferrous Metals	1.0	0.1	0.2	0.0	0.0	169.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
7 Chemicals	25.5	86.5	14.5	3.4	0.6	282.6	3.4	5.1	0.1	1.7	1.6	20.0	23.3	1.5
8 MBMW	103.8	133.0	12.8	10.4	2.1	871.6	3.2	7.2	1.3	6.6	0.8	4.6	12.0	11.8
9 Wood & Paper	67.5	5.4	0.6	8.6	7.8	173.3	1.6	0.1	0.3	2.6	0.3	1.8	4.7	1.8
10 Constr. Materials	288.0	11.4	1.0	10.4	0.1	396.8	3.6	0.1	0.2	1.1	0.1	0.7	1.9	2.0
11 Light Industry	7.4	6.4	1.4	8.8	0.5	913.7	2.0	0.4	0.6	11.8	1.4	8.1	21.4	0.8
12 Food Industry	0.9	68.8	0.0	3.2	0.0	767.6	1.3	0.6	0.0	34.4	4.3	25.3	64.0	0.1
13 Other Industry	2.0	156.5	0.3	4.5	8.5	213.1	6.6	0.0	0.1	3.2	0.4	2.2	5.7	0.4
14 Total Industry	584.9	552.9	88.1	60.3	21.1	4433.1	42.6	53.4	4.7	92.8	11.2	63.8	167.9	26.5
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.6	483.3	0.6	4.8	0.0	2195.1	0.5	0.0	0.0	10.5	1.3	7.2	18.9	0.0
17 Production T & C	33.3	24.2	1.2	3.3	2.3	291.8								
18 T & D	0.0	78.9	0.0	0.0	12.1	449.7								
19 Other Prod. Sectors	4.0	1.5	2.5	11.8	0.4	47.3	0.1	0.7	4.0	3.3	0.4	2.3	6.0	0.9
20 Material Outlays	622.8	1140.7	92.4	80.2	36.0	7416.9	43.2	54.1	8.7	106.6	12.9	73.3	192.8	27.4
21 Housing-Communal	10.8	7.2	3.4	12.9	0.7	70.6	0.4	0.8	0.7	0.9	0.2	0.5	1.6	0.4
22 N-Prod. Transport	9.9	9.5	1.6	4.8	0.8	42.5	0.7	1.5	0.6	3.4	0.7	2.1	6.2	1.3
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.2	0.5	0.7	2.4	1.6
24 Education	4.1	7.3	2.3	2.0	0.2	30.9	0.2	0.5	0.4	0.0	0.0	0.0	0.0	0.0
25 Culture	1.3	1.6	0.5	0.7	0.1	7.8	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	3.4	5.7	1.8	1.4	0.2	23.8	0.2	0.4	0.3	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	8.8	14.7	4.7	4.1	0.5	62.5	0.4	1.0	0.8	0.0	0.0	0.0	0.0	0.0
28 Science	17.4	6.7	2.4	4.1	0.1	58.8	0.1	0.2	0.2	0.0	0.0	0.0	0.0	4.3
29 Banking & Insurance	8.6	6.3	1.4	46.0	0.2	84.4	0.1	0.2	0.4	0.0	0.0	0.0	0.0	0.1
30 State Admin.														
31 Service Outlays	55.4	44.3	13.5	71.9	2.3	318.7	1.8	3.9	3.2	5.5	1.4	3.3	10.2	7.7
32 Defense & Other														
33 Total Outlays	678.2	1185.0	105.8	152.1	38.3	7735.6	45.0	58.0	11.9	112.1	14.3	76.6	203.0	35.1
34 Depreciation	63.1	171.2	102.5	39.7	2.3	715.7	159.0	32.4	10.8	47.4	5.0	26.6	79.0	5.0
35 Wages	323.3	352.3	83.4	165.1	32.4	1618.6	62.6	65.0	22.4	300.6	27.3	135.1	463.0	100.5
36 Other Wages	10.7	3.9	1.2	4.8	0.2	31.9	0.9	2.4	0.7	1.4	0.4	1.4	3.2	2.3
37 Kolkhoz Pay	10.4	331.3	0.0	0.0	0.2	355.0				2.3	1.2	1.6	5.1	
38 Social Security	25.2	17.0	6.5	11.6	2.4	145.4	3.5	5.5	1.8	21.8	2.0	9.9	33.7	12.6
39 Kolkhoz Soc. Sec.	0.2	38.4	0.0	0.0	0.0	40.1				0.3	0.1	0.2	0.6	
40 Net Profit	102.5	93.5	55.4	76.6	5.7	948.4	7.7	18.0	32.7	0.0	0.0	0.0	0.0	18.3
41 Bonus Wages	18.5	26.7	5.9	2.2	0.3	115.5	4.5	6.8	2.6	2.4	1.2	1.7	5.3	11.0
42 Turnover Tax	0.0	0.0	0.0	0.4	0.0	702.5								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-650.6								
44 Other Net Income	0.0	0.0	9.0	9.0	0.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	201.0	0.0	0.0	0.0	196.3								
46 Private Income	58.0	733.3	0.0	0.0	17.2	808.5	28.0	12.0	0.0	20.0	3.0	25.0	48.0	
47 Total Losses	-38.7	-53.1	-0.7	-0.6	0.0	-113.1		-0.6	-0.3					
48 Net Foreign Trade		11.0		-1405.0	19.9	-238.9								
49 G N P	554.8	1909.8	257.4	-1107.4	80.2	4582.5	261.7	134.7	68.1	396.2	40.2	201.5	637.9	138.7
50 Total Output	1233.0	3083.8	363.2	449.7	98.6	12557.0	306.7	192.7	80.0	508.3	54.5	278.0	840.9	173.8
51 Import		103.7	0.0	0.0	28.6	3829.4								
52 Total Supply	1233.0	3187.5	363.2	449.7	127.2	16386.4	306.7	192.7	80.0	508.3	54.5	278.0	840.9	173.8

Kyrgyzstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 3

	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & Insur.	State Admin.	TOTAL SERV.	Defense & Other	TOTAL OUTLAY	Households	-/- Paid	-/- Free	Govern. & Other	Defense	Total Fixed	Invent.	Net Export	G.N.P.
1 Power	0.2	0.8	37.6	0.0	166.9	36.8	36.8				0.0	0.0	0.0	36.8
2 Petro-Gas	0.1	0.1	52.4	8.3	303.1	51.3	51.3				0.0	1.6	0.0	52.9
3 Coal	0.0	0.1	13.8	0.1	62.6	16.7	16.7				0.0	17.0	0.0	33.8
4 Other Fuels	0.0	0.0	0.0	0.0	0.5	0.0	0.0				0.0	0.0	0.0	0.0
5 Ferrous Metals	0.0	0.0	2.6	0.1	227.1	1.5	1.5				0.0	-14.8	0.0	-13.2
6 N-Ferrous Metals	0.0	0.0	0.8	0.0	169.9	0.0	0.0				0.0	-5.2	0.0	-5.2
7 Chemicals	0.0	0.1	33.5	20.5	336.6	90.4	90.4				0.0	-15.6	0.0	74.8
8 MBMW	0.1	0.5	36.1	193.0	1100.8	263.8	263.8				526.1	-188.8	0.0	601.2
9 Wood & Paper	0.3	1.1	9.9	0.0	183.2	97.3	97.3				2.4	1.5	0.0	101.2
10 Constr. Materials	0.0	0.1	7.9	0.0	404.7	42.3	42.3				0.0	-20.1	0.0	22.2
11 Light Industry	0.1	0.1	25.4	16.3	955.4	990.4	990.4				4.8	52.4	0.0	1047.6
12 Food Industry	0.0	0.0	66.0	13.0	846.6	1288.2	1288.2				0.0	137.6	0.0	1425.8
13 Other Industry	0.3	0.9	14.0	0.0	227.1	86.5	86.5				-0.7	16.0	0.0	101.8
14 Total Industry	1.1	3.8	300.0	251.3	4984.4	2965.2	2965.2				532.6	-18.2	0.0	3479.6
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0				1232.9	0.0	0.0	1232.9
16 Agri. & Forestry	0.0	0.0	19.4	2.7	2217.2	644.7	644.7				127.7	105.2	0.0	877.6
17 Production T & C	0.0	0.0	0.0	0.0	291.8	0.0	0.0		71.4		0.0	0.0	0.0	71.4
18 T & D	0.0	0.0	0.0	0.0	449.7	0.0	0.0				0.0	0.0	-1405.0	-1405.0
19 Other Prod. Sectors	0.6	2.4	14.7	0.3	62.3	56.9	56.9				2.2	-3.0	0.0	56.2
20 Material Outlays	1.7	6.2	334.1	254.3	8005.3	3666.8	3666.9	0.0	71.4	0.0	1895.5	84.0	-1405.0	4312.7
21 Housing-Communal	0.2	0.5	4.6	0.6	75.7	217.1	128.7	88.4	9.7	4.2				231.0
22 N-Prod. Transport	0.9	1.9	13.1	7.0	62.6	132.0	132.0	0.0	0.0	19.6			-21.5	130.1
23 N-Prod. Communic.	0.6	1.3	6.8	0.4	7.2	27.0	27.0	0.0	31.1	18.5			-3.8	72.8
24 Education	0.2	0.0	1.3	0.0	32.3	476.1	27.2	448.9	0.0	0.0				476.1
25 Culture	0.0	0.0	0.2	0.0	8.0	46.5	22.4	24.1	0.0	0.0				46.5
26 Health, etc.	0.1	0.0	1.0	0.0	24.7	253.3	49.3	204.0	0.0	0.0				253.3
27 Educ., Cult. & Health	0.3	0.0	2.5	0.0	65.0	775.9	98.9	677.0	0.0	0.0				775.9
28 Science	0.0	0.0	4.7	0.0	63.5	0.0	0.0	0.0	32.7	88.3			-10.7	110.3
29 Banking & Insurance	0.0	0.0	0.8	0.0	85.2	21.9	21.9	0.0	0.0	0.0			10.0	31.9
30 State Admin.						41.2	41.2	0.0	29.2	0.0				70.4
31 Service Outlays	2.0	3.7	32.5	8.0	359.2	1215.1	449.7	765.4	102.7	130.6	0.0	0.0	-26.0	1422.4
32 Defense & Other										481.5				481.5
33 Total Outlays	3.7	9.9	366.6	262.3	8364.5	4881.9	4116.6	765.4	174.1	612.1	1895.5	84.0	-1431.0	6216.6
34 Depreciation	0.4	2.5	289.1	19.6	1024.4									
35 Wages	11.3	52.4	777.2	174.3	2570.1									
36 Other Wages	0.5	1.0	11.0	11.3	54.2									
37 Kolkhoz Pay			5.1		360.1									
38 Social Security	0.9	4.6	62.6	14.0	222.0									
39 Kolkhoz Soc. Sec.			0.6		40.7									
40 Net Profit	90.3	0.0	167.0	0.0	1115.4									
41 Bonus Wages	3.6	0.0	33.8		149.3									
42 Turnover Tax			0.0		702.5									
43 Net Subsidies			0.0		-650.6									
44 Other Net Income	0.0	0.0	0.0		22.8									
45 Kolkhoz Income			0.0		196.3									
46 Private Income			88.0		896.5									
47 Total Losses			-0.9		-114.0									
48 Net Foreign Trade	10.0		10.0		-228.9									
49 G.N.P.	113.4	60.5	1415.0	219.2	6216.6									
50 Total Output	107.1	70.4	1771.6	481.5	14810.1									
51 Import					3829.4									
52 Total Supply	107.1	70.4	1771.6	481.5	18639.5									

Kyrgyzstan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
		USES
1 Power	42.0	245.7
2 Petro-Gas	11.9	367.9
3 Coal	20.1	116.4
4 Other Fuels	0.0	0.5
5 Ferrous Metals	9.1	223.0
6 N-Ferrous Metals	142.0	306.8
7 Chemicals	22.8	434.2
8 MBMW	1088.1	2790.1
9 Wood & Paper	4.7	289.1
10 Constr. Materials	23.4	450.4
11 Light Industry	634.1	2637.1
12 Food Industry	531.1	2803.4
13 Other Industry	32.6	361.6
14 Total Industry	2562.1	11026.1
15 Construction	0.0	1232.9
16 Agri. & Forestry	92.7	3187.5
17 Production T & C	0.0	363.2
18 T & D	0.0	449.7
19 Other Prod. Sectors	8.7	127.2
20 Material Outlays	2663.5	16386.5
21 Housing-Communal		306.7
22 N-Prod. Transport		192.7
23 N-Prod. Communic.		80.0
24 Education		508.4
25 Culture		54.5
26 Health, etc.		278.0
27 Educ., Cult. & Health		840.9
28 Science		173.8
29 Banking & Insurance		107.1
30 State Admin.		70.4
31 Service Outlays	0.0	1771.6
32 Defense & Other		481.5
33 Total Outlays	2663.5	18639.6
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Latvia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood	Constr. Paper	Light Mater.	Food	Other Ind.	Total Industry
1 Power	1.4	0.1	0.0	0.3	3.0	0.3	17.2	47.9	12.2	17.2	17.9	16.3	7.7	141.6
2 Petro-Gas	53.6	8.7	0.0	0.5	5.2	0.0	7.3	18.1	13.1	27.3	5.8	38.5	3.7	181.9
3 Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.3	0.7	1.4	1.5	2.6	0.3	9.3
4 Other Fuels	1.3	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	4.0
5 Ferrous Metals	0.3	0.0	0.0	0.3	83.5	0.0	3.6	266.9	4.5	22.8	1.5	9.0	5.0	397.6
6 N-Ferrous Metals	0.1	0.0	0.0	0.0	0.2	8.0	8.9	90.5	0.7	1.2	2.1	4.9	12.3	128.8
7 Chemicals	0.6	0.1	0.0	0.5	1.1	0.3	300.1	124.2	29.7	14.9	130.5	31.0	25.6	658.7
8 MBMW	7.7	0.0	0.0	1.0	2.7	0.0	13.6	1052.2	27.0	10.1	12.1	44.5	12.2	1183.3
9 Wood & Paper	0.4	0.2	0.0	0.1	0.5	0.0	12.3	32.7	229.3	6.5	7.3	41.3	19.2	349.6
10 Constr. Materials	0.1	0.0	0.0	0.0	0.2	0.0	5.4	13.7	7.6	85.1	1.2	11.1	4.7	129.2
11 Light Industry	0.3	0.0	0.0	0.1	0.2	0.0	29.2	28.7	26.3	6.2	1203.2	16.1	9.8	1320.2
12 Food Industry	0.1	0.5	0.0	0.0	0.1	0.0	18.4	2.5	2.5	2.1	38.2	986.8	54.9	1106.1
13 Other Industry	0.3	0.0	0.0	0.0	0.1	0.0	1.2	3.9	1.5	0.5	1.5	12.5	67.1	88.6
14 Total Industry	66.4	9.6	0.0	5.4	96.8	8.3	417.5	1683.5	355.2	195.7	1422.8	1214.7	222.7	5698.6
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	11.0	0.0	100.0	1894.4	184.9	2191.1
17 Production T & C	1.7	275.7	12.6	1.1	22.6	1.6	65.8	79.2	22.9	80.8	30.8	106.0	7.0	707.6
18 T & D	0.0	148.9	0.7	0.0	7.5	2.1	43.7	54.7	19.7	8.5	90.4	256.1	9.5	641.7
19 Other Prod. Sectors	0.7	0.0	0.0	0.0	0.1	0.0	3.6	9.9	2.7	1.3	3.5	7.4	0.6	29.8
20 Material Outlays	68.8	434.1	13.3	6.5	127.0	12.0	531.5	1827.3	411.5	286.2	1647.6	3478.5	424.6	9268.8
21 Housing-Communal	3.2	0.1	0.0	0.0	1.6	0.1	6.2	27.6	4.8	1.8	9.0	18.9	1.1	74.3
22 N-Prod. Transport	0.5	0.0	0.0	0.1	0.4	0.0	1.6	11.9	3.5	1.5	3.6	3.3	0.7	27.1
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	1.7	0.0	0.0	0.0	0.8	0.1	3.3	10.8	2.6	1.0	3.6	6.6	0.6	31.1
25 Culture	0.4	0.0	0.0	0.0	0.2	0.0	0.7	3.0	0.6	0.2	0.8	1.4	0.1	7.5
26 Health, etc.	1.4	0.0	0.0	0.0	0.7	0.1	2.6	8.8	2.0	0.7	3.1	5.1	0.4	25.0
27 Educ., Cult. & Health	3.5	0.1	0.0	0.1	1.7	0.1	6.6	22.6	5.2	1.9	7.5	13.1	1.2	63.5
28 Science	2.0	0.1	0.0	0.2	0.5	0.1	2.7	25.0	1.0	1.0	1.2	3.8	0.1	37.7
29 Banking & Insurance	1.0	0.0	0.0	0.0	0.4	0.0	1.7	10.2	1.3	0.5	4.6	20.5	0.3	40.7
30 State Admin.														0.0
31 Service Outlays	10.3	0.3	0.0	0.4	4.5	0.4	18.8	97.3	15.8	6.7	25.9	59.6	3.3	243.3
32 Defense & Other														0.0
33 Total Outlays	79.1	434.4	13.3	6.9	131.5	12.4	550.2	1924.6	427.2	292.9	1673.5	3538.1	427.9	9512.0
34 Depreciation	49.6	0.4	0.0	5.9	7.5	0.3	42.9	166.2	42.6	42.8	40.3	118.3	23.9	540.6
35 Wages	16.7	0.3	0.0	4.7	9.9	0.5	55.3	472.6	98.5	64.2	147.9	129.7	50.1	1050.5
36 Other Wages	0.2	0.0	0.0	0.0	0.2	0.0	0.9	14.2	1.2	0.9	1.4	1.3	0.9	21.4
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.1	31.7	19.6	0.2	4.4	35.1	13.8	104.8
38 Social Security	2.7	0.0	0.0	0.7	1.0	0.0	7.8	58.6	8.6	7.7	19.3	16.1	4.4	127.1
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.7	0.0	0.5	4.6	1.7	11.7
40 Net Profit	98.0	1.2	0.0	-0.2	34.6	4.4	153.1	376.2	79.4	35.6	213.2	170.8	35.9	1202.2
41 Bonus Wages	3.1	0.0	0.0	0.5	1.3	0.1	9.2	57.7	10.8	5.9	18.9	15.3	5.9	128.7
42 Turnover Tax	13.7	6.3	0.0	0.2	1.3	0.0	160.1	178.7	3.8	35.6	495.3	556.7	100.6	1552.3
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	0.0	-13.6	-4.6	0.0	0.0	-9.8	-110.1	0.0	-1138.1
44 Other Net Income	0.0	0.0	0.0	0.1	0.0	0.0	3.0	0.0	0.0	4.5	0.0	35.0	0.0	42.6
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	5.3	17.0	45.4	71.5
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-0.1	0.0	0.0	-0.1	-0.3	0.0	-1.9	-7.1	-2.1	-1.3	-12.1	-2.0	-1.8	-29.0
48 Net Foreign Trade	38.1	477.7	26.1	-1.0	291.8	113.5	60.7	282.5	-5.9	14.4	-47.8	-477.8	-24.1	748.2
49 G N P	218.9	485.9	26.1	10.3	346.1	118.8	468.4	1575.9	247.3	204.7	857.9	-505.3	250.8	4305.9
50 Total Output	259.9	442.6	13.3	18.2	185.8	17.7	958.0	3218.0	680.5	483.2	2579.2	3510.6	702.8	13069.8
51 Import	128.5	486.4	26.1	0.2	399.4	127.4	694.2	1626.1	155.6	76.4	850.9	623.3	121.3	5315.8
52 Total Supply	388.4	929.0	39.4	18.4	585.2	145.1	1652.2	4844.1	836.1	559.6	3430.1	4133.9	824.1	18385.6

Latvia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Science	
						Prod. PROD.							Health	
1 Power	5.1	15.9	7.0	12.3	0.4	182.3	25.6	7.3	1.6	12.7	1.5	8.7	22.9	2.6
2 Petro-Gas	26.6	70.7	137.7	4.0	0.1	420.9	8.1	33.8	0.3	3.9	0.5	2.7	7.0	0.7
3 Coal	0.7	10.6	1.4	2.6	0.0	24.7	4.0	0.5	0.2	4.4	0.5	3.0	7.9	0.1
4 Other Fuels	0.9	0.6	0.0	0.0	0.0	5.5	0.4	0.0	0.0	0.2	0.0	0.2	0.4	0.0
5 Ferrous Metals	45.7	4.4	2.8	0.4	0.0	450.8	2.2	0.8	0.1	0.2	0.0	0.2	0.4	1.6
6 N-Ferrous Metals	0.6	0.6	0.5	0.0	0.0	130.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.0
7 Chemicals	27.0	107.4	18.8	3.2	0.9	816.0	4.7	5.3	0.1	1.9	1.7	22.4	26.1	5.9
8 MBMW	117.9	135.4	22.5	13.7	0.9	1473.7	11.7	8.9	1.9	7.5	0.9	5.2	13.6	9.9
9 Wood & Paper	72.2	16.0	3.3	9.6	7.9	458.5	5.9	0.9	0.3	5.2	0.6	3.6	9.4	0.6
10 Constr. Materials	301.5	19.8	17.4	4.3	0.1	472.4	6.9	0.2	0.2	1.8	0.2	1.2	3.2	0.4
11 Light Industry	6.6	8.4	6.4	5.5	1.0	1348.2	2.8	1.0	0.4	12.9	1.6	8.9	23.4	0.6
12 Food Industry	0.8	152.3	0.2	4.7	0.0	1264.1	1.8	0.1	0.0	38.0	4.7	27.9	70.6	0.3
13 Other Industry	1.6	340.1	2.0	7.2	9.5	449.0	2.2	0.9	0.1	7.0	0.8	4.8	12.6	0.6
14 Total Industry	607.1	882.3	219.9	67.5	20.9	7496.2	76.3	59.9	5.2	95.7	13.2	88.6	197.5	24.3
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.1	664.9	0.0	2.2	0.0	2858.4	2.4	0.0	0.0	8.0	1.0	5.5	14.5	0.1
17 Production T & C	9.0	122.6	1.6	4.3	1.8	846.9								
18 T & D	0.0	72.1	0.0	0.0	21.0	734.7								
19 Other Prod. Sectors	3.1	11.3	10.1	14.7	0.9	69.8	1.1	0.7	0.2	10.2	1.2	7.0	18.4	0.6
20 Material Outlays	619.3	1753.1	231.6	88.7	44.5	12006.0	79.8	60.6	5.4	113.9	15.4	101.1	230.4	25.0
21 Housing-Communal	3.6	5.8	12.0	15.5	6.4	117.7	1.3	0.7	1.1	0.5	0.3	0.4	1.2	0.3
22 N-Prod. Transport	3.3	7.6	4.9	5.8	7.7	56.4	2.1	1.3	0.9	2.0	1.0	1.8	4.7	1.1
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.8	0.7	0.6	0.6	1.9	1.3
24 Education	1.8	5.9	7.0	3.4	2.1	51.4	0.6	0.5	0.6	0.0	0.0	0.0	0.0	0.0
25 Culture	0.4	1.3	1.5	0.8	0.5	12.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	1.6	4.6	5.5	2.9	1.6	41.2	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	3.8	11.8	14.0	7.1	4.2	104.6	1.3	0.9	1.2	0.0	0.0	0.0	0.0	0.0
28 Science	5.0	6.4	5.1	4.5	1.2	59.8	0.2	0.2	0.6	0.0	0.0	0.0	0.0	4.1
29 Banking & Insurance	2.9	4.1	4.2	53.2	1.8	106.9	0.2	0.2	0.5	0.0	0.0	0.0	0.0	0.1
30 State Admin.														
31 Service Outlays	18.7	35.8	40.2	86.1	21.3	445.3	5.3	3.5	5.1	3.2	1.8	2.8	7.8	7.0
32 Defense & Other														
33 Total Outlays	638.0	1788.9	271.8	174.8	65.7	12451.3	85.1	64.1	10.5	130.6	17.2	90.4	238.2	32.0
34 Depreciation	77.8	279.3	252.8	55.4	12.2	1218.1	193.4	65.8	15.2	51.6	5.4	28.9	86.0	14.0
35 Wages	274.9	268.8	164.6	233.8	56.2	2048.7	121.9	82.0	27.7	191.4	38.2	135.8	365.4	76.8
36 Other Wages	17.6	3.0	3.9	4.3	0.6	50.8	3.0	3.1	0.8	1.1	0.3	1.1	2.5	1.7
37 Kolkhoz Pay	56.5	301.0	1.7	0.0	0.0	464.1				2.3	0.3	1.4	4.0	
38 Social Security	29.8	12.6	17.3	22.0	4.3	213.1	6.9	9.4	2.2	13.9	2.8	9.9	26.6	9.6
39 Kolkhoz Soc. Sec.	1.3	35.2	0.2	0.0	0.0	48.4				0.2	0.1	0.1	0.4	
40 Net Profit	143.8	170.0	215.4	244.5	3.6	1979.5	23.5	19.6	39.4	0.0	0.0	0.0	0.0	13.8
41 Bonus Wages	31.9	30.4	4.5	6.5	2.7	204.8	10.5	7.5	3.2	1.9	1.0	1.3	4.2	8.4
42 Turnover Tax	0.0	0.0	0.0	0.2	0.0	1552.5								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-1138.1								
44 Other Net Income	0.0	0.0	27.0	0.0	0.0	69.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	118.7	0.0	0.0	0.0	190.2								
46 Private Income	17.6	482.3	0.0	0.0	17.6	517.5	44.0	16.0	0.0	17.0	3.0	25.0	45.0	
47 Total Losses	-12.8	-36.7	-2.0	-0.4	-1.2	-82.1		-0.6	-0.4					
48 Net Foreign Trade		166.2	-20.1	-1721.0	5.8	-820.9								
49 G N P	606.5	1800.4	660.7	-1161.2	99.1	6311.5	392.7	195.3	84.9	279.4	51.1	203.5	534.1	115.9
50 Total Output	1244.5	3423.1	952.6	734.6	159.1	19583.7	477.8	259.4	95.4	410.0	68.4	293.9	772.3	147.9
51 Import		267.9		0.0	9.8	5593.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Total Supply	1244.5	3691.0	952.6	734.6	168.9	25177.2	477.8	259.4	95.4	410.0	68.4	293.9	772.3	147.9

Latvia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & Insur.	State Admin.	TOTAL SERV.	Defense & Other	TOTAL OUTLAY	Households	-/- Paid	-/- Free	Govern.	Defense & Other	Total Fixed	Invent.	Net Export	G N P
1 Power	0.3	1.1	61.4	0.0	243.7	54.4	54.4				0.0	0.0	0.0	54.4
2 Petro-Gas	0.2	1.0	51.1	370.8	842.8	60.0	60.0				0.0	17.5	0.0	77.5
3 Coal	0.1	0.1	12.9	0.3	37.9	1.4	1.4				0.0	0.1	0.0	1.5
4 Other Fuels	0.0	0.0	0.8	6.1	12.4	0.0	0.0				0.0	4.8	0.0	4.8
5 Ferrous Metals	0.0	0.0	5.1	0.2	456.1	1.2	1.2				0.0	20.4	0.0	21.6
6 N-Ferrous Metals	0.0	0.1	1.3	0.0	131.8	0.0	0.0				0.0	-0.6	0.0	-0.6
7 Chemicals	0.3	0.8	43.2	13.3	872.5	152.9	152.9				0.0	-6.7	0.0	146.2
8 MBMW	0.2	0.4	46.6	148.4	1668.6	388.0	388.0				1369.5	74.4	0.0	1831.9
9 Wood & Paper	0.2	0.6	17.9	29.5	506.0	166.3	166.3				8.6	-6.3	0.0	168.6
10 Constr. Materials	0.0	0.1	11.0	3.4	486.8	39.1	39.1				0.0	-28.1	0.0	11.0
11 Light Industry	0.1	0.3	28.6	16.6	1393.4	1099.7	1099.7				13.3	25.0	0.0	1138.0
12 Food Industry	0.0	0.0	72.8	15.4	1352.3	1930.2	1930.2				0.0	-249.8	0.0	1680.4
13 Other Industry	0.2	0.7	17.3	17.8	484.1	68.0	68.0				0.0	126.7	0.0	194.7
14 Total Industry	1.6	5.2	370.0	621.8	8488.0	3961.0	3961.0				1391.4	-22.6	0.0	5329.8
15 Construction			0.0	0.0	0.0	5.5	5.5				1239.1	0.0	0.0	1244.6
16 Agri. & Forestry	0.0	2.8	19.8	3.2	2881.4	553.4	553.4		26.7		27.9	99.9	0.0	707.9
17 Production T & C	0.0	0.0	0.0	0.0	846.9	0.0	0.0		85.6		0.0	0.0	0.0	85.6
18 T & D			0.0	0.0	734.7	0.0	0.0				0.0	0.0	-1721.0	-1721.0
19 Other Prod. Sectors	0.2	0.8	22.0	0.1	91.9	83.2	83.2				1.8	-12.0	0.0	73.0
20 Material Outlays	1.8	8.8	411.8	625.1	13042.9	4603.1	4603.1	0.0	112.3	0.0	2660.2	65.3	-1721.0	5719.9
21 Housing-Communal	0.9	0.4	6.1	5.0	128.7	319.2	152.1	167.1	24.8	5.1				349.1
22 N-Prod. Transport	1.4	1.9	13.4	2.1	71.9	170.2	170.2	0.0	0.0	23.9			-6.6	187.5
23 N-Prod. Communic.	1.0	1.3	6.7	0.8	7.5	43.7	43.7	0.0	24.0	22.8			-2.6	87.9
24 Education	0.4	0.0	2.1	0.0	53.5	356.5	27.0	329.5	0.0	0.0				356.5
25 Culture	0.1	0.0	0.5	0.0	12.5	55.9	32.6	23.3	0.0	0.0				55.9
26 Health, etc.	0.3	0.0	1.6	0.0	42.9	251.0	53.8	197.2	0.0	0.0				251.0
27 Educ., Cult. & Health	0.8	0.0	4.2	0.0	108.8	639.9	68.4	571.5	0.0	0.0				639.9
28 Science	0.0	0.0	5.0	0.0	64.8	0.0	0.0	0.0	46.2	82.3			-45.4	83.1
29 Banking & Insurance	0.0	0.0	1.0	0.0	107.9	31.4	31.4	0.0	0.0	0.0			27.0	58.4
30 State Admin.			0.0		0.0	51.5	51.5	0.0	26.3	0.0				77.8
31 Service Outlays	4.1	3.6	36.4	7.9	489.7	1279.4	562.3	717.1	121.3	134.1	0.0	0.0	-27.6	1507.2
32 Defense & Other										990.2				990.2
33 Total Outlays	5.9	12.4	448.2	633.0	13532.5	5882.5	5165.4	717.1	233.6	1124.3	2660.2	65.3	-1748.6	8217.3
34 Depreciation	0.7	4.1	379.2	38.1	1635.4									
35 Wages	12.7	54.9	741.4	248.8	3038.9									
36 Other Wages	0.5	1.2	12.8	15.4	79.0									
37 Kolkhoz Pay	0.0	0.0	4.0		468.1									
38 Social Security	1.0	5.2	60.9	17.9	291.9									
39 Kolkhoz Soc. Sec.			0.4		48.8									
40 Net Profit	118.5	0.0	214.8	37.0	2231.3									
41 Bonus Wages	4.3	0.0	38.1	3.5	246.4									
42 Turnover Tax	0.0	0.0	0.0		1552.5									
43 Net Subsidies	0.0	0.0	0.0		-1138.1									
44 Other Net Income	0.0	0.0	0.0		69.6									
45 Kolkhoz Income			0.0		190.2									
46 Private Income			105.0		622.5									
47 Total Losses			-1.0		-83.1									
48 Net Foreign Trade	27.0		27.0		-793.9									
49 G N P	160.4	65.4	1548.7	357.2	8217.3									
50 Total Output	139.3	77.8	1969.9	990.2	22543.8									
51 Import	0.0	0.0	0.0	0.0	5593.5									
52 Total Supply	139.3	77.8	1969.9	990.2	28137.3									

Latvia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
	USES	
1 Power	90.4	388.4
2 Petro-Gas	8.7	929.0
3 Coal	0.0	39.4
4 Other Fuels	1.2	18.4
5 Ferrous Metals	107.6	585.2
6 N-Ferrous Metals	13.9	145.1
7 Chemicals	633.5	1652.2
8 MBMW	1343.6	4844.1
9 Wood & Paper	161.5	836.0
10 Constr. Materials	62.0	559.7
11 Light Industry	898.7	3430.0
12 Food Industry	1101.1	4133.8
13 Other Industry	145.4	824.1
14 Total Industry	4567.6	18385.4
15 Construction	0.0	1244.6
16 Agri. & Forestry	101.7	3691.0
17 Production T & C	20.1	952.6
18 T & D	0.0	734.7
19 Other Prod. Sectors	4.0	168.9
20 Material Outlays	4693.4	25177.2
21 Housing-Communal		477.8
22 N-Prod. Transport		259.4
23 N-Prod. Communic.		95.4
24 Education		410.0
25 Culture		68.4
26 Health, etc.		293.9
27 Educ., Cult. & Health		748.7
28 Science		147.9
29 Banking & Insurance		139.3
30 State Admin.		77.8
31 Service Outlays	0.0	2024.5
32 Defense & Other		990.2
33 Total Outlays	4693.4	29885.9
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Lithuania 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	4.0	17.8	0.0	0.6	1.1	0.0	37.8	81.6	24.3	40.2	28.7	27.7	12.5	276.3
2 Petro-Gas	219.3	384.7	0.0	0.9	0.5	0.0	38.4	24.3	13.4	48.3	4.5	34.4	3.7	772.4
3 Coal	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.3	0.8	1.8	1.1	1.4	0.3	5.9
4 Other Fuels	0.2	0.0	0.0	2.7	0.0	0.0	0.0	0.4	1.6	1.4	0.0	0.0	0.0	6.3
5 Ferrous Metals	1.8	0.3	0.0	0.1	22.2	0.0	3.5	242.7	7.0	49.2	2.2	14.3	4.6	347.9
6 N-Ferrous Metals	0.3	0.0	0.0	0.1	0.6	0.0	5.7	110.4	0.8	2.0	0.3	8.9	1.6	130.6
7 Chemicals	3.0	3.1	0.0	0.6	0.4	0.0	180.3	124.2	31.4	23.3	177.7	15.5	21.9	581.4
8 MBMW	20.3	1.4	0.0	1.2	1.1	0.0	13.5	1109.9	40.8	34.4	22.2	50.4	10.3	1305.6
9 Wood & Paper	0.9	0.5	0.0	0.1	0.7	0.0	9.8	76.1	224.0	19.7	10.0	49.3	19.7	410.8
10 Constr. Materials	1.0	0.2	0.0	0.1	0.1	0.0	5.3	20.4	8.1	124.7	2.1	9.3	1.2	172.3
11 Light Industry	1.8	0.4	0.0	0.2	0.4	0.0	16.1	22.5	27.7	6.4	1654.3	17.8	80.4	1827.9
12 Food Industry	1.0	0.1	0.0	0.0	0.1	0.0	10.0	6.3	1.1	1.4	33.2	1027.7	84.8	1165.6
13 Other Industry	26.0	0.0	0.0	0.1	0.1	0.0	0.9	10.0	1.4	1.6	7.8	21.5	90.5	159.8
14 Total Industry	279.5	408.6	0.0	6.5	27.3	0.1	321.4	1829.0	382.4	354.2	1944.1	1278.0	331.5	7162.8
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	4.5	0.1	70.5	2760.9	338.9	3175.1
17 Production T & C	1.8	158.8	5.4	2.1	87.9	0.7	23.3	37.9	20.7	113.7	15.8	91.8	44.4	604.3
18 T & D	0.0	44.6	0.3	0.0	13.2	0.8	42.1	95.8	15.5	7.0	122.5	305.9	21.8	669.3
19 Other Prod. Sectors	0.7	0.6	0.0	0.0	11.5	7.8	3.4	10.6	2.0	1.4	3.1	5.5	3.8	50.5
20 Material Outlays	282.0	612.6	5.6	8.7	139.8	9.4	390.5	1973.3	425.1	476.4	2156.0	4442.1	740.4	11662.0
21 Housing-Communal	2.9	1.8	0.0	0.0	0.5	0.1	3.7	14.3	5.2	2.3	10.9	13.6	4.1	59.4
22 N-Prod. Transport	0.5	0.1	0.0	0.1	0.1	0.0	0.9	7.6	3.8	2.0	4.4	2.5	2.8	24.7
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	1.6	0.8	0.0	0.0	0.3	0.0	2.0	6.9	2.8	1.2	4.3	7.0	2.2	29.2
25 Culture	0.3	0.2	0.0	0.0	0.1	0.0	0.4	1.9	0.6	0.3	1.0	1.1	0.5	6.4
26 Health, etc.	1.2	0.6	0.0	0.0	0.2	0.0	1.5	5.6	2.2	1.0	3.8	4.8	1.7	22.8
27 Educ., Cult. & Health	3.1	1.7	0.0	0.0	0.6	0.1	3.9	14.4	5.6	2.5	9.2	12.9	4.4	58.4
28 Science	1.8	1.7	0.0	0.2	0.2	0.1	1.7	20.1	1.1	1.2	3.2	6.2	0.2	37.8
29 Banking & Insurance	0.9	0.9	0.0	0.0	0.1	0.0	1.0	5.6	1.4	0.6	3.9	10.2	1.1	25.9
30 State Admin.														
31 Service Outlays	9.3	6.1	0.0	0.4	1.5	0.3	11.2	61.9	17.2	8.6	31.6	45.4	12.6	206.1
32 Defense & Other														
33 Total Outlays	291.3	618.7	5.6	9.1	141.3	9.7	401.7	2035.2	442.3	485.0	2187.6	4487.5	753.0	11868.1
34 Depreciation	118.0	16.6	0.0	4.7	3.8	0.3	57.5	210.7	46.2	64.1	55.7	121.9	38.9	738.4
35 Wages	30.6	4.5	0.0	3.0	6.2	0.4	49.1	492.1	117.6	108.2	211.8	163.6	31.5	1218.7
36 Other Wages	0.8	0.2	0.0	0.1	0.1	0.0	2.1	18.4	2.6	2.1	2.2	3.0	0.8	32.4
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.9	9.6	0.1	0.4	7.2	40.3	82.5
38 Social Security	4.3	0.8	0.0	0.1	0.7	0.0	6.2	59.1	9.2	10.4	29.3	20.7	1.7	142.6
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.2	0.0	0.1	0.8	2.8	8.8
40 Net Profit	90.1	48.1	0.0	2.2	10.2	2.6	81.3	459.1	156.2	65.3	281.4	228.1	62.9	1487.5
41 Bonus Wages	5.7	1.2	0.0	0.4	1.0	0.1	10.4	51.5	13.7	11.9	36.8	19.1	5.5	157.0
42 Turnover Tax	25.3	249.7	0.0	0.0	0.1	0.0	73.1	142.9	7.0	16.4	585.7	597.7	6.9	1704.9
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	0.0	-60.1	1.7	0.0	0.0	-32.1	-1801.3	0.0	-1891.8
44 Other Net Income	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	7.0	0.0	11.0
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	3.8	0.0	0.3	20.5	22.6	59.6
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-2.5	-0.3	0.0	-0.1	-0.1	0.0	-1.2	-4.4	-1.0	-1.3	-1.2	-2.5	-0.8	-15.4
48 Net Foreign Trade	-49.5	534.0	51.6	2.8	342.5	151.5	408.0	486.2	-36.0	15.1	-440.0	-530.4	48.3	984.1
49 G N P	217.2	853.6	51.6	12.8	363.5	154.8	618.0	1907.2	316.4	282.3	693.6	-1163.7	255.9	4563.3
50 Total Output	558.0	938.3	5.6	19.1	162.4	13.1	611.7	3456.2	794.7	752.2	3321.2	3854.2	960.7	15447.3
51 Import	99.6	1017.6	51.6	4.4	375.0	159.7	767.1	2337.1	225.7	93.9	973.9	539.4	96.0	6741.0
52 Total Supply	657.6	1955.9	57.2	23.5	537.4	172.8	1378.8	5793.3	1020.4	846.1	4295.1	4393.6	1056.7	22188.3

Lithuania 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Science	
					Prod.	PROD.							Health	
1 Power	21.4	32.8	28.5	19.9	1.6	380.6	10.2	6.1	2.0	19.9	2.4	13.7	36.0	4.4
2 Petro-Gas	90.2	68.3	87.6	6.1	0.3	1025.0	22.9	34.3	1.0	5.8	0.7	4.0	10.4	1.4
3 Coal	1.0	7.1	1.5	2.9	0.1	18.5	2.5	0.2	0.3	3.8	0.5	2.6	6.8	0.1
4 Other Fuels	1.6	6.4	0.0	0.0	0.0	14.3	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
5 Ferrous Metals	93.2	4.3	3.2	0.4	0.0	449.2	1.8	0.5	0.5	0.2	0.0	0.2	0.4	3.5
6 N-Ferrous Metals	2.2	0.5	0.3	0.3	0.1	133.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.2
7 Chemicals	32.9	144.9	20.4	3.7	1.3	784.7	6.2	6.4	0.3	2.0	1.8	23.5	27.4	4.2
8 MBMW	189.6	164.3	21.8	13.1	3.1	1697.4	8.8	11.6	1.4	9.4	1.1	6.5	17.0	23.2
9 Wood & Paper	150.0	6.1	4.0	11.0	11.4	593.4	11.3	1.0	0.5	7.0	0.9	4.8	12.7	1.2
10 Constr. Materials	491.7	21.0	18.1	5.3	0.1	708.5	19.0	0.7	0.2	1.7	0.2	1.1	3.0	0.8
11 Light Industry	12.7	20.8	4.4	9.3	2.4	1877.6	3.9	1.4	0.4	18.0	2.2	12.4	32.5	0.9
12 Food Industry	2.9	117.3	0.1	11.3	0.0	1297.2	2.4	0.0	0.0	51.0	6.4	37.4	94.8	0.3
13 Other Industry	3.2	332.5	2.5	4.4	14.9	517.2	1.2	1.3	0.3	23.9	2.9	16.5	43.3	0.8
14 Total Industry	1092.7	926.4	192.4	87.7	35.4	9497.3	90.4	63.6	6.9	142.7	19.1	122.6	284.4	43.0
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	3.1	1177.1	0.0	3.3	0.0	4358.7	1.5	0.0	0.0	6.0	0.7	4.1	10.8	0.1
17 Production T & C	30.5	28.7	2.4	3.4	1.0	670.3								
18 T & D	0.0	115.8	0.0	0.0	3.4	788.5								
19 Other Prod. Sectors	10.7	0.8	12.7	21.9	0.2	96.8	5.5	0.1	1.2	6.3	0.8	4.3	11.4	1.2
20 Material Outlays	1137.0	2248.8	207.5	116.3	39.9	15411.6	97.4	63.7	8.1	155.0	20.5	131.0	306.6	44.3
21 Housing-Communal	11.9	11.2	5.6	15.6	2.0	105.7	1.4	0.9	0.6	0.7	0.3	0.5	1.6	0.6
22 N-Prod. Transport	10.9	14.8	2.7	5.8	2.4	61.3	2.3	1.6	0.5	2.8	1.1	2.2	6.1	1.9
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	1.0	0.7	0.7	2.4	1.5
24 Education	6.0	11.4	3.9	3.4	0.7	54.6	0.7	0.6	0.3	0.0	0.0	0.0	0.0	0.0
25 Culture	1.4	2.5	0.9	0.8	0.1	12.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	5.2	8.9	3.0	3.0	0.5	43.4	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	12.6	22.9	7.8	7.2	1.3	110.1	1.4	1.1	0.7	0.0	0.0	0.0	0.0	0.0
28 Science	16.4	11.4	3.9	7.6	0.4	77.5	0.2	0.2	0.3	0.0	0.0	0.0	0.0	7.6
29 Banking & Insurance	9.5	8.8	2.3	50.4	0.6	97.5	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.1
30 State Admin.														
31 Service Outlays	61.3	69.1	22.3	86.6	6.7	452.1	5.7	4.3	2.9	4.5	2.1	3.5	10.1	11.7
32 Defense & Other														
33 Total Outlays	1198.4	2317.9	229.8	202.9	46.6	15863.8	103.1	68.0	11.0	159.5	22.6	134.5	316.7	56.0
34 Depreciation	144.3	441.6	182.6	64.2	7.4	1578.5	250.5	67.1	20.8	78.6	8.3	44.1	131.0	29.0
35 Wages	669.2	342.6	200.4	261.4	55.0	2747.2	124.5	90.0	29.5	272.7	45.1	160.7	478.5	104.1
36 Other Wages	26.5	3.8	5.0	9.7	0.4	77.9	2.8	3.3	0.9	1.5	0.4	1.4	3.3	2.4
37 Kolkhoz Pay	94.1	493.1	0.0	0.0	0.0	669.6				3.0	0.4	1.8	5.2	
38 Social Security	83.0	19.3	11.9	21.9	4.4	283.1	6.9	7.6	2.3	19.8	3.3	11.7	34.8	11.7
39 Kolkhoz Soc. Sec.	0.9	52.2	0.0	0.0	0.0	61.9				0.3	0.1	0.2	0.6	
40 Net Profit	174.7	187.6	124.5	255.4	23.4	2253.1	31.5	19.1	37.3	0.0	0.0	0.0	0.0	18.7
41 Bonus Wages	50.3	33.7	35.4	5.4	0.0	281.8	8.3	7.3	3.4	2.4	1.3	1.7	5.4	11.4
42 Turnover Tax	0.0	0.0	0.0	0.3	0.0	1705.2								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-1891.8								
44 Other Net Income	0.0	0.0	11.6	0.0	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	482.0	0.0	0.0	0.0	541.7								
46 Private Income	60.6	828.2	0.0	0.0	30.9	919.7	53.0	18.0	0.0	25.0	4.0	32.0	61.0	
47 Total Losses	-50.1	-55.6	-0.3	-27.4	-0.4	-149.2	-0.6	-0.5						
48 Net Foreign Trade		113.6		-3535.0	0.0	-2437.3								
49 G N P	1203.1	2908.4	535.7	-2949.4	121.1	6382.1	469.2	204.5	90.3	403.3	62.9	253.6	719.8	165.9
50 Total Output	2401.5	5112.7	765.5	788.5	167.7	24683.1	572.3	272.5	101.3	562.9	85.5	388.1	1036.5	221.9
51 Import	0.0	223.6	0.0	0.0	3.5	6968.1								
52 Total Supply	2401.5	5336.3	765.4	788.5	171.2	31651.1	572.3	272.5	101.3	562.9	85.5	388.1	1036.5	221.9

Lithuania 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank	State	TOTAL	Defense	TOTAL	House-	-/-	-/-	Govern.	Defense	Total	Invent.	Net	G N P
	Insur.	Admin.	SERV. & Other	OUTLAY	holds	Paid	Free		& Other	Fixed		Export		
1 Power	0.3	1.2	60.2	0.0	440.8	67.7	67.7			0.0	0.0	0.0	67.7	
2 Petro-Gas	0.3	1.3	71.6	8.7	1105.3	102.8	102.8			0.0	264.3	0.0	367.1	
3 Coal	0.0	0.2	10.1	0.2	28.8	20.9	20.9			0.0	7.7	0.0	28.6	
4 Other Fuels	0.0	0.0	0.2	0.0	14.5	1.4	1.4			0.0	6.1	0.0	7.5	
5 Ferrous Metals	0.0	0.0	6.7	0.1	456.0	2.5	2.5			0.0	46.4	0.0	48.9	
6 N-Ferrous Metals	0.0	0.0	2.4	0.0	136.3	0.0	0.0			0.0	28.1	0.0	28.1	
7 Chemicals	0.2	1.0	45.7	21.5	851.9	167.5	167.5			0.0	0.4	0.0	167.9	
8 MBMW	0.2	0.6	62.8	302.2	2062.4	474.7	474.7			952.2	453.0	0.0	1880.0	
9 Wood & Paper	0.2	0.7	27.6	0.0	621.0	159.5	159.5			24.9	-46.8	0.0	137.6	
10 Constr. Materials	0.0	0.0	23.7	0.0	732.2	36.5	36.5			0.0	-1.0	0.0	35.4	
11 Light Industry	0.1	0.3	39.5	21.7	1938.8	1188.7	1188.7			1.6	-247.9	0.0	942.4	
12 Food Industry	0.0	0.0	97.5	18.5	1413.2	2508.7	2508.7			0.0	-598.2	0.0	1910.5	
13 Other Industry	0.3	1.3	48.5	0.0	565.7	76.9	76.9			24.2	342.1	0.0	443.2	
14 Total Industry	1.6	6.6	496.5	372.9	10366.7	4807.7	4807.7			1002.9	254.2	0.0	6064.8	
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0			2401.5	0.0	0.0	2401.5	
16 Agri. & Forestry	0.0	0.1	12.5	3.7	4374.9	630.6	630.6		74.0	76.8	70.0	0.0	851.4	
17 Production T & C	0.0	0.0	0.0	0.0	670.3	0.0	0.0		95.1	0.0	0.0	0.0	95.1	
18 T & D	0.0	0.0	0.0	0.0	788.5	0.0	0.0			0.0	0.0	-3535.0	-3535.0	
19 Other Prod. Sectors	0.4	1.4	21.2	0.0	118.0	44.5	44.5			0.5	4.5	0.0	49.6	
20 Material Outlays	2.0	8.1	530.2	376.6	16318.4	5482.8	5482.8	0.0	169.1	0.0	3481.7	328.7	-3535.0	5927.3
21 Housing-Communal	1.2	0.6	6.9	6.5	119.1	402.0	187.3	214.7	43.2	8.0				453.2
22 N-Prod. Transport	1.8	2.4	16.6	2.8	80.7	168.4	168.4	0.0	0.0	28.1			-4.7	191.8
23 N-Prod. Commun.	1.4	1.6	7.7	1.0	8.7	46.6	46.6	0.0	33.1	14.5			-1.6	92.6
24 Education	0.5	0.0	2.1	0.0	56.8	506.1	38.8	467.3	0.0	0.0				506.1
25 Culture	0.1	0.0	0.5	0.0	12.6	72.9	30.9	42.0	0.0	0.0				72.9
26 Health, etc.	0.4	0.0	1.6	0.0	45.0	343.1	74.9	268.2	0.0	0.0				343.1
27 Educ., Cult. & Health	1.1	0.0	4.2	0.0	114.3	922.1	144.6	777.5	0.0	0.0				922.1
28 Science	0.0	0.0	8.3	0.0	85.7	0.0	0.0	0.0	35.1	92.3			8.8	136.2
29 Banking & Insurance	0.0	0.0	1.0	0.0	98.5	57.1	52.1	0.0	0.0	0.0			25.0	77.1
30 State Admin.						64.9	64.9	0.0	34.2	0.0				99.1
31 Service Outlays	5.4	4.6	44.7	10.3	507.1	1656.1	663.9	992.2	145.6	142.9			27.5	1972.1
32 Defense & Other										627.6				627.6
33 Total Outlays	7.4	12.7	574.9	386.9	16825.5	7138.9	6146.7	992.2	314.7	770.5	3481.7	328.7	-3507.5	8527.0
34 Depreciation	0.9	5.1	504.4	14.8	2097.7									
35 Wages	15.1	73.7	915.4	101.5	3764.1									
36 Other Wages	0.6	1.4	14.7	2.7	95.3									
37 Kolkhoz Pay	0.0	0.0	5.2		674.8									
38 Social Security	1.2	6.2	70.7	16.0	369.8									
39 Kolkhoz Soc. Sec.	0.0	0.0	0.6		62.5									
40 Net Profit	125.4	0.0	232.0	105.7	2590.8									
41 Bonus Wages	4.9	0.0	40.7	10.0	332.5									
42 Turnover Tax			0.0		1705.2									
43 Net Subsidies			0.0		-1891.8									
44 Other Net Income	0.0	0.0	0.0		22.6									
45 Kolkhoz Income			0.0		541.7									
46 Private Income			132.0		1051.7									
47 Total Losses			-1.1		-150.3									
48 Net Foreign Trade	25.0		25.0		-2412.3									
49 G N P	168.2	86.4	1904.3	240.7	8527.0									
50 Total Output	150.6	99.1	2454.2	627.6	27764.9									
51 Import			0.0		6968.1									
52 Total Supply	150.6	99.1	2454.2	627.6	34732.9									

Lithuania 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 4

	43	44
	Export	TOTAL
		USES
1 Power	149.1	657.6
2 Petro-Gas	483.6	1955.9
3 Coal	0.0	57.4
4 Other Fuels	1.6	23.5
5 Ferrous Metals	32.5	537.4
6 N-Ferrous Metals	8.2	172.6
7 Chemicals	359.1	1378.8
8 MBMW	1850.9	5793.3
9 Wood & Paper	261.7	1020.3
10 Constr. Materials	78.8	846.4
11 Light Industry	1413.9	4295.1
12 Food Industry	1069.8	4393.5
13 Other Industry	47.7	1056.6
14 Total Industry	5756.9	22188.4
15 Construction	0.0	2401.5
16 Agri. & Forestry	110.0	5336.3
17 Production T & C	0.0	765.4
18 T & D	0.0	788.5
19 Other Prod. Sectors	3.5	171.1
20 Material Outlays	5870.4	31651.1
21 Housing-Communal		572.3
22 N-Prod. Transport		272.5
23 N-Prod. Communic.		101.3
24 Education		562.9
25 Culture		85.5
26 Health, etc.		388.1
27 Educ., Cult. & Health		1036.4
28 Science		221.9
29 Banking & Insurance		150.6
30 State Admin.		99.1
31 Service Outlays		2454.2
32 Defense & Other		627.6
33 Total Outlays	5870.4	34733.0
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Moldova 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro-Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	3.2				15.0	0.0	4.7	46.2	8.1	23.9	18.9	30.3	15.7	166.1
2 Petro-Gas	116.9				2.5	0.0	1.5	26.3	2.6	69.7	8.0	31.7	5.4	264.7
3 Coal	88.8				0.0	0.0	0.0	1.1	0.1	1.4	0.7	2.2	0.3	94.5
4 Other Fuels	0.0				0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	1.1				29.7	0.0	1.7	199.0	6.1	28.8	1.5	8.2	8.9	285.0
6 N-Ferrous Metals	0.0				4.7	0.6	44.0	94.9	0.1	1.5	0.7	2.6	7.2	156.4
7 Chemicals	1.6				0.5	0.0	111.9	97.6	19.4	11.2	123.6	19.1	18.4	403.4
8 MBMW	8.6				9.3	0.0	2.0	577.2	18.0	22.3	13.1	47.5	3.5	701.4
9 Wood & Paper	0.4				0.1	0.0	11.0	22.4	149.9	4.6	13.8	49.5	12.6	264.4
10 Constr. Materials	0.4				0.2	0.0	1.7	7.3	6.1	89.8	2.0	21.1	1.2	129.8
11 Light Industry	0.4				0.3	0.0	7.0	11.1	17.5	2.6	117.6	7.9	17.5	1242.9
12 Food Industry	0.2				0.1	0.0	4.5	2.3	1.0	0.8	14.1	1230.4	76.1	1329.6
13 Other Industry	2.5				0.1	0.0	0.5	5.2	0.7	3.0	2.9	21.1	73.2	109.2
14 Total Industry	224.2	0.0	0.0	0.0	62.4	0.6	190.5	1090.6	229.5	259.6	1378.1	1471.7	240.1	5147.3
15 Construction	0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0				0.0	0.0	0.0	0.1	0.6	0.0	115.6	2295.8	184.2	2596.2
17 Production T & C	2.9	33.5	11.5	0.0	17.0	1.1	26.0	78.0	39.8	81.8	10.9	37.5	5.9	346.1
18 T & D	0.0	37.5	2.8	0.0	3.7	0.5	17.0	59.9	17.9	14.9	103.4	242.3	12.6	512.5
19 Other Prod. Sectors	5.1	0.0	0.0	0.0	13.8	0.0	0.6	7.7	2.0	1.8	3.9	5.8	1.0	41.7
20 Material Outlays	232.2	71.1	14.3	0.0	96.9	2.2	234.1	1236.3	289.8	358.1	1611.9	4053.1	443.8	8643.8
21 Housing-Communal	6.7	0.0	0.0	0.0	0.7	0.0	1.6	16.1	2.9	1.6	11.0	17.6	2.0	60.3
22 N-Prod. Transport	1.1	0.0	0.0	0.0	0.2	0.0	0.4	10.1	2.1	1.4	4.4	4.0	1.4	25.0
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	3.6	0.0	0.0	0.0	0.4	0.0	0.8	9.2	1.6	0.9	4.4	8.0	1.0	29.9
25 Culture	0.8	0.0	0.0	0.0	0.1	0.0	0.2	2.4	0.3	0.4	1.0	2.2	0.2	7.6
26 Health, etc.	2.8	0.0	0.0	0.0	0.3	0.0	0.7	7.5	1.2	0.7	3.9	6.3	0.8	24.1
27 Educ., Cult. & Health	7.2	0.0	0.0	0.0	0.8	0.0	1.7	19.1	3.1	1.9	9.2	16.5	2.0	61.6
28 Science	4.2	0.0	0.0	0.0	0.2	0.0	0.7	25.6	0.6	0.7	3.3	7.0	0.2	42.6
29 Banking & Insurance	2.1	0.0	0.0	0.0	0.2	0.0	0.4	11.8	0.8	0.4	3.9	27.8	0.6	48.1
30 State Admin.														
31 Service Outlays	21.3	0.0	0.0	0.0	2.2	0.0	4.8	82.8	9.5	6.1	31.8	72.9	6.2	237.6
32 Defense & Other														
33 Total Outlays	253.6	71.1	14.3	0.0	99.1	2.2	238.8	1319.1	299.4	364.2	1643.8	4126.0	450.0	8881.4
34 Depreciation	59.1	0.0	0.0	0.0	19.1	0.0	14.5	116.3	13.8	59.5	44.9	135.9	28.6	491.8
35 Wages	20.3				8.0	0.0	15.3	341.7	45.7	81.2	173.1	140.2	39.1	864.6
36 Other Wages	0.7	0.0	0.0	0.0	0.2	0.0	0.3	4.9	0.4	0.7	0.9	1.8	0.3	10.2
37 Kolkhoz Pay	0.0				0.0	0.0	0.0	3.8	2.2	0.3	0.0	1.6	2.4	10.3
38 Social Security	3.3				0.9	0.0	2.2	45.9	4.6	8.3	23.2	16.4	3.1	107.9
39 Kolkhoz Soc. Sec.	0.0				0.0	0.3	0.0	0.7	0.4	0.0	0.0	0.3	0.4	2.1
40 Net Profit	67.6	0.0	0.0	0.0	6.4	0.0	40.5	307.2	54.7	41.0	262.5	266.3	39.3	1085.4
41 Bonus Wages	4.0				1.3	0.0	2.2	39.9	5.9	6.6	23.8	15.0	3.7	102.3
42 Turnover Tax	31.9				1.5	0.0	20.9	44.6	0.1	34.2	536.5	629.8	61.8	1361.4
43 Net Subsidies	0.0				0.0	0.0	0.0	-17.8	0.0	0.0	-31.8	-736.1	0.0	-785.7
44 Other Net Income	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	2.5	0.0	35.0	0.0	38.1
45 Kolkhoz Income	0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0	-17.5	0.4	-17.1
46 Private Income	0.0				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-1.8				-0.6	0.0	-0.9	-6.2	-3.0	-2.7	-25.3	-4.1	-4.2	-48.7
48 Net Foreign Trade	-104.8	498.2	128.7	0.0	242.4	158.4	457.8	594.3	150.7	44.2	94.8	-1774.4	-14.7	475.6
49 G N P	76.3	498.2	128.7	0.0	278.0	158.7	551.2	1435.4	269.6	269.3	1078.9	-1305.0	156.6	3596.0
50 Total Output	434.7	71.1	14.3	0.0	134.7	2.5	332.2	2160.2	418.3	589.3	2627.9	4595.4	621.3	12001.8
51 Import	16.7	498.2	128.7	0.0	301.1	158.4	655.7	1566.0	253.6	115.6	1169.3	454.0	13.1	5452.5
52 Total Supply	451.4	569.3	142.9	0.0	435.8	161.0	987.9	3726.2	671.9	704.9	3797.2	5049.4	756.4	17454.3

Moldova 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 2

	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. &	Science
					Prod.	PROD.							Health	
1 Power	8.9	20.5	6.1	11.4	0.7	213.6	21.2	3.1	3.9	17.3	2.1	11.9	31.2	0.6
2 Petro-Gas	52.6	73.1	50.7	7.1	0.2	448.3	6.0	25.2	2.1	3.3	0.4	2.2	5.9	0.7
3 Coal	1.3	11.4	2.1	2.0	0.0	111.3	2.1	0.4	0.2	9.6	1.2	6.6	17.3	0.0
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	80.0	4.1	1.9	0.5	0.0	371.6	0.8	0.5	0.2	0.4	0.1	0.3	0.8	1.5
6 N-Ferrous Metals	1.5	0.1	0.1	0.1	0.2	158.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3
7 Chemicals	31.6	122.2	14.3	5.0	1.0	577.5	3.8	4.6	0.6	2.3	2.1	26.8	31.2	2.2
8 MBMW	124.1	157.4	20.6	13.4	1.3	1018.1	5.5	10.7	2.0	8.5	1.0	5.8	15.3	8.8
9 Wood & Paper	67.5	23.5	2.8	12.5	6.7	377.5	2.6	0.7	0.4	4.5	0.5	3.1	8.2	0.4
10 Constr. Materials	442.1	18.7	3.0	7.5	0.1	601.1	6.8	0.4	0.1	2.0	0.2	1.4	3.6	0.3
11 Light Industry	5.0	20.5	2.0	6.8	0.9	1278.1	1.6	0.9	0.3	13.7	1.7	9.4	24.8	0.4
12 Food Industry	1.0	74.0	0.2	6.0	0.0	1410.8	2.3	0.1	0.0	46.4	5.8	34.0	86.2	0.0
13 Other Industry	3.1	303.1	1.2	4.4	10.8	431.7	3.2	0.4	0.1	7.2	0.9	4.9	13.0	0.2
14 Total Industry	818.6	828.6	105.0	76.7	21.9	6998.2	55.9	47.1	9.9	115.1	15.9	106.5	237.5	15.4
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	3.0	585.2	0.7	11.1	0.0	3196.2	0.1	0.0	0.0	10.4	1.3	7.1	18.8	0.0
17 Production T & C	32.9	21.7	1.5	5.1	5.9	413.1								
18 T & D	0.0	143.2	0.0	0.0	15.0	670.6								
19 Other Prod. Sectors	10.0	5.2	1.3	14.3	0.1	72.7	1.2	0.5	0.6	3.9	0.5	2.7	7.0	0.6
20 Material Outlays	864.5	1583.9	108.5	107.2	42.9	11350.8	57.2	47.6	10.5	129.4	17.6	116.3	263.3	16.0
21 Housing-Communal	8.4	14.0	3.7	13.0	0.8	100.2	1.0	0.4	0.9	0.9	0.3	0.6	1.7	0.2
22 N-Prod. Transport	8.6	19.7	1.8	5.3	1.0	61.4	1.6	0.7	0.7	3.4	1.0	2.4	6.8	0.7
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.5	1.2	0.6	0.8	2.6	0.5
24 Education	4.8	15.2	2.6	3.8	0.3	56.5	0.5	0.2	0.5	0.0	0.0	0.0	0.0	0.0
25 Culture	1.8	3.6	0.7	1.0	0.0	14.7	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	4.1	11.9	2.0	2.7	0.2	45.0	0.4	0.2	0.4	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	10.6	30.7	5.3	7.5	0.5	116.2	1.0	0.4	1.0	0.0	0.0	0.0	0.0	0.0
28 Science	13.2	14.6	2.4	2.5	0.2	75.5	0.1	0.1	0.4	0.0	0.0	0.0	0.0	2.6
29 Banking & Insurance	7.5	13.1	1.5	50.2	0.2	120.6	0.2	0.1	0.5	0.0	0.0	0.0	0.0	0.1
30 State Admin.														
31 Service Outlays	48.4	92.1	14.7	78.4	2.8	473.9	4.0	1.9	4.0	5.5	1.9	3.8	11.2	4.0
32 Defense & Other														
33 Total Outlays	912.9	1676.0	123.2	185.6	45.7	11824.7	61.2	49.5	14.5	134.9	19.5	120.1	274.5	20.0
34 Depreciation	83.3	418.2	143.8	57.2	6.0	1200.3	159.8	44.6	15.4	58.8	6.2	33.0	98.0	14.0
35 Wages	371.7	570.0	127.0	241.8	44.9	2220.0	69.6	67.0	25.6	299.9	38.2	164.8	502.9	35.4
36 Other Wages	8.8	3.6	2.7	5.2	0.5	31.0	1.4	3.1	0.7	1.5	0.5	1.4	3.4	0.8
37 Kolkhoz Pay	23.0	558.7	0.5	0.0	1.5	593.9				3.2	0.4	1.9	5.5	
38 Social Security	36.6	57.7	10.9	21.3	2.6	237.0	3.9	5.6	2.0	21.7	2.8	12.0	36.5	4.4
39 Kolkhoz Soc. Sec.	0.5	82.2	0.1	0.0	0.0	84.8				0.3	0.1	0.2	0.6	
40 Net Profit	114.1	368.4	57.0	161.4	17.3	1803.6	20.0	11.9	32.1	0.0	0.0	0.0	0.0	6.4
41 Bonus Wages	21.2	61.8	5.9	5.6	0.2	197.0	4.7	4.5	3.0	2.6	1.3	1.8	5.7	3.9
42 Turnover Tax						1361.4								
43 Net Subsidies	0.0	0.0	0.0	0.1	0.0	-785.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Other Net Income	0.0	0.0	9.7	0.0	0.0	47.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	378.4	0.0	0.0	0.0	361.3								
46 Private Income	47.0	599.1	0.0	0.0	12.2	658.3	32.0	12.0	0.0	24.0	3.0	30.0	57.0	0.0
47 Total Losses	-54.4	-65.0	-1.3	-2.0	0.0	-171.4		-0.4	-0.3					
48 Net Foreign Trade		-203.3		-1870.0	15.3	-1582.4								
49 G N P	630.4	2768.0	350.3	-1385.0	100.3	6060.1	286.7	143.8	75.5	412.0	52.5	245.1	709.6	61.0
50 Total Output	1543.4	4647.2	473.5	670.6	130.8	19467.2	347.9	193.3	90.0	546.9	72.0	365.2	984.1	81.0
51 Import	0.0	198.6	0.0	0.0	22.8	5673.9								
52 Total Supply	1543.4	4845.8	473.5	670.6	153.5	25141.0	347.9	193.3	90.0	546.9	72.0	365.2	984.1	81.0

Moldova 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank& Insur.	State Admin.	TOTAL SERV.	Defense & Other	TOTAL OUTLAY	House holds	-/- Paid	-/- Free	Govern.	Defense & Other	Total Fixed	Invent.	Net Export	G N P
1 Power	0.1	0.3	60.4	0.0	274.0	55.8	55.8				0.0	0.0	0.0	55.8
2 Petro-Gas	0.3	1.2	41.4	7.8	497.5	63.6	63.6				0.0	8.2	0.0	71.8
3 Coal	0.1	0.2	20.3	0.1	131.7	17.0	17.0				0.0	-5.8	0.0	11.2
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0	0.0
5 Ferrous Metals	0.0	0.0	3.8	0.1	375.5	1.5	1.5				0.0	0.1	0.0	1.6
6 N-Ferrous Metals	0.0	0.0	0.4	0.0	158.8	0.0	0.0				0.0	2.2	0.0	2.2
7 Chemicals	0.3	1.2	43.9	19.2	640.6	119.5	119.5				0.0	29.8	0.0	149.3
8 MBMW	0.2	0.8	43.3	179.9	1241.3	417.2	417.2				981.5	114.4	0.0	1513.1
9 Wood & Paper	0.1	0.6	13.0	0.0	390.5	171.5	171.5				15.9	-9.0	0.0	178.4
10 Constr. Materials	0.1	0.1	11.4	0.0	612.5	63.5	63.5				0.0	-42.3	0.0	21.2
11 Light Industry	0.1	0.3	28.4	3.7	1310.2	1419.1	1419.1				1.4	-8.1	0.0	1412.4
12 Food Industry	0.0	0.0	88.6	0.4	1499.8	1586.3	1586.3				0.0	-265.1	0.0	1321.2
13 Other Industry	0.2	1.0	18.1	0.0	449.8	123.2	123.2				1.3	32.3	0.0	156.8
14 Total Industry	1.5	5.7	373.0	211.2	7582.4	4038.2	4038.2				1000.1	-143.3	0.0	4895.0
15 Construction			0.0	0.0	0.0	0.0	0.0				1543.4	0.0	0.0	1543.4
16 Agri. & Forestry	0.0	0.1	19.0	0.0	3215.2	850.5	850.5		34.4		92.3	251.5	0.0	1228.6
17 Production T & C			0.0	0.0	413.1	0.0	0.0		60.4		0.0	0.0	0.0	60.4
18 T & D			0.0	0.0	670.6	0.0	0.0				0.0	0.0	-1870.0	-1870.0
19 Other Prod. Sectors	0.4	1.9	12.2	0.0	84.9	64.1	64.1				8.4	-11.2	0.0	61.3
20 Material Outlays	1.9	7.7	404.2	211.2	11966.2	4952.7	4952.7	0.0	94.8	0.0	2644.1	97.0	-1870.0	5918.6
21 Housing-Communal	0.8	0.7	5.7	5.6	111.4	218.6	120.3	98.3	14.1	3.8				236.5
22 N-Prod. Transport	1.2	2.7	14.4	2.5	78.3	129.4	129.4	0.0	0.0	12.5			-26.9	115.0
23 N-Prod. Communic.	1.0	2.3	7.2	1.0	8.2	37.8	37.8	0.0	34.8	11.9			-2.7	81.8
24 Education	0.4	0.0	1.6		58.1	488.8	39.6	449.2	0.0	0.0				488.8
25 Culture	0.1	0.0	0.4		15.1	56.9	22.9	34.0	0.0	0.0				56.9
26 Health, etc.	0.3	0.0	1.2		46.2	319.0	69.1	249.9	0.0	0.0				319.0
27 Educ., Cult. & Health	0.8	0.0	3.2		119.4	864.7	131.6	733.1	0.0	0.0				864.7
28 Science	0.0	0.0	3.2		78.7	0.0	0.0	0.0	38.1	28.6			-64.4	2.3
29 Banking & Insurance	0.0	0.0	0.8		121.5	42.3	42.3	0.0	0.0	0.0			15.0	57.3
30 State Admin.			0.0		0.0	53.6	53.6	0.0	31.1	0.0				84.7
31 Service Outlays	3.8	5.7	34.6	9.1	517.6	1346.4	515.0	831.4	118.1	56.8	0.0	0.0	-79.0	1442.3
32 Defense & Other			0.0	0.0	0.0	0.0	0.0	0.0	0.0	446.3				446.3
33 Total Outlays	5.7	13.4	438.8	220.3	12483.8	6299.1	5467.7	831.4	212.9	503.1	2644.1	97.0	-1949.0	7807.1
34 Depreciation	0.3	1.7	333.8	7.7	1541.8									
35 Wages	12.1	62.3	774.9	16.6	3011.5									
36 Other Wages	0.5	1.3	11.2	14.0	57.4									
37 Kolkhoz Pay			5.5		599.4									
38 Social Security	0.9	6.0	59.3	1.5	297.8									
39 Kolkhoz Soc. Sec.			0.6		85.4									
40 Net Profit	144.3	0.0	214.7	186.2	2204.5									
41 Bonus Wages	4.4	0.0	26.2	15.0	238.2									
42 Turnover Tax			0.0		1361.4									
43 Net Subsidies	0.0	0.0	0.0		-785.6									
44 Other Net Income	0.0	0.0	0.0		47.8									
45 Kolkhoz Income			0.0		361.3									
46 Private Income	0.0	0.0	101.0		759.3									
47 Total Losses			-0.7		-172.1									
48 Net Foreign Trade	15.0		15.0		-1567.4									
49 G N P	173.1	71.3	1521.0	226.0	7807.1									
50 Total Output	163.8	84.7	1944.8	446.3	21858.3									
51 Import					5673.9									
52 Total Supply	163.8	84.7	1944.8	446.3	27532.1									

Moldova 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
		USES
1 Power	121.5	451.4
2 Petro-Gas	0.0	569.3
3 Coal	0.0	142.9
4 Other Fuels	0.0	0.0
5 Ferrous Metals	58.7	435.8
6 N-Ferrous Metals	0.0	161.0
7 Chemicals	197.9	987.8
8 MBMW	971.7	3726.1
9 Wood & Paper	102.9	671.8
10 Constr. Materials	71.4	705.1
11 Light Industry	1074.5	3797.1
12 Food Industry	2228.4	5049.4
13 Other Industry	149.8	756.4
14 Total Industry	4976.8	17454.2
15 Construction	0.0	1543.4
16 Agri. & Forestry	401.9	4845.8
17 Production T & C	0.0	473.5
18 T & D	0.0	670.6
19 Other Prod. Sectors	7.5	153.6
20 Material Outlays	5386.3	25141.1
21 Housing-Communal		347.9
22 N-Prod. Transport		193.3
23 N-Prod. Communic.		90.0
24 Education		546.9
25 Culture		72.0
26 Health, etc.		365.2
27 Educ., Cult. & Health		984.1
28 Science		81.0
29 Banking & Insurance		163.8
30 State Admin.		84.7
31 Service Outlays	0.0	1944.9
32 Defense & Other		446.3
33 Total Outlays	5386.3	27532.1
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Russia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood	Constr.	Light	Food	Oth Inc	
1 Power	220.0	1506.3	244.0	9.3	849.3	1094.0	2556.0	3069.9	628.9	964.3	454.6	509.1	40	
2 Petro-Gas	6212.8	11304.9	40.8	11.6	1081.8	528.2	2183.6	1711.3	735.7	1366.5	137.5	779.1	21	
3 Coal	2136.6	0.1	2239.6	0.8	1644.8	72.5	25.0	163.0	117.2	167.6	37.6	110.2	2	
4 Other Fuels	134.7	0.0	0.4	23.4	0.4	0.0	5.3	7.0	8.5	15.1	2.0	0.4	1.0	
5 Ferrous Metals	62.5	63.6	94.1	5.2	10552.9	515.8	785.6	12809.1	338.8	1516.0	47.0	191.5		
6 N-Ferrous Metals	124.4	10.4	1.2	0.5	1479.7	11450.4	762.0	7503.6	28.7	73.9	21.9	83.0		
7 Chemicals	82.8	433.5	164.4	8.3	350.2	420.9	13328.3	5983.2	1119.4	684.4	3046.9	497.9		
8 MBMW	821.5	286.5	372.0	16.7	1133.0	586.6	1261.6	56923.9	1113.7	634.5	398.8	699.5		
9 Wood & Paper	28.0	26.6	227.0	5.0	112.6	114.6	1060.2	1935.4	9458.5	449.0	269.4	970.3	5	
10 Constr. Materials	32.9	17.8	46.0	2.1	47.6	71.3	218.2	876.7	271.7	4542.4	44.2	211.2		
11 Light Industry	33.9	34.0	34.8	3.2	132.8	66.5	1175.3	1453.9	833.6	193.4	38868.5	403.9	79	
12 Food Industry	20.1	25.7	4.2	0.5	28.2	24.5	713.9	216.1	52.4	45.5	280.3	25986.1	110	
13 Other Industry	233.7	42.8	63.9	0.4	41.5	15.0	506.5	522.3	77.0	100.3	99.8	554.1	174	
14 Total Industry	10144.0	13752.3	3532.5	87.0	17454.8	14960.3	24581.5	93175.4	14784.1	10753.0	43708.7	30996.3	656	
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16 Agri. & Forestry	0.7	0.1	0.6	0.2	0.7	1.2	29.5	88.3	705.7	2.1	4829.1	54890.8	4093.4	6464
17 Production T & C	154.1	11878.6	2115.7	60.5	2375.1	780.7	2147.3	5542.3	2843.5	5938.7	1132.0	2998.4	654.2	3862
18 T & D	0.0	1300.2	159.1	5.0	539.7	71.7	1557.1	2722.5	719.6	412.8	3639.3	11498.4	550.6	2317
19 Other Prod. Sectors	35.5	68.9	56.1	1.1	393.5	146.6	107.0	472.7	110.5	183.4	91.9	241.8	74.8	198
20 Material Outlays	10334.3	27000.0	5864.0	153.8	20763.8	15960.6	28422.4	102001.2	19163.5	17289.9	53401.1	100625.7	11934.7	41291
21 Housing-Communal	139.4	305.7	57.4	0.2	170.2	159.9	207.5	931.2	117.0	71.4	223.7	431.8	50.2	286
22 N-Prod. Transport	22.5	14.1	54.4	0.5	43.6	32.9	52.3	493.0	84.3	62.3	89.0	79.3	33.9	106
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
24 Education	75.0	143.6	30.9	0.1	91.6	86.0	111.5	439.9	62.9	38.4	88.8	158.6	27.0	1354.4
25 Culture	16.5	31.6	6.8	0.0	20.1	18.9	24.5	103.4	13.8	8.4	20.7	34.9	5.9	305.7
26 Health, etc.	58.5	112.0	24.1	0.1	71.4	67.1	87.0	365.0	49.1	30.0	78.4	123.7	21.1	1087.4
27 Educ., Cult. & Health	150.0	287.3	61.8	0.2	183.1	172.1	223.1	908.3	125.9	76.8	187.8	317.1	54.1	2747.5
28 Science	87.9	269.2	11.5	0.8	53.8	123.1	92.6	1019.6	24.1	38.5	25.3	33.2	2.8	1782.6
29 Banking & Insurance	44.6	182.6	15.9	0.1	47.0	44.2	57.3	685.7	32.3	19.7	119.5	580.0	13.9	1842.7
30 State Admin.														0.0
31 Service Outlays	444.4	1058.9	201.0	1.9	497.7	532.1	632.5	4037.8	383.6	268.7	645.5	1441.5	154.9	10300.6
32 Defense & Other														0.0
33 Total Outlays	10778.7	28059.0	6065.0	155.6	21261.5	16492.8	29055.0	106039.0	19547.1	17558.7	54046.5	102067.2	12089.6	423215.7
34 Depreciation	4141.6	5685.7	1199.2	86.5	2565.7	1889.6	4115.6	13432.3	3134.1	2728.1	1380.8	3186.9	1482.3	45028.4
35 Wages	1202.3	659.2	1980.5	87.4	2217.6	1665.8	2713.4	26517.0	5356.6	3477.7	5063.9	3924.6	1842.3	56708.2
36 Other Wages	37.3	42.0	57.7	2.0	52.3	60.7	63.6	678.2	144.3	67.4	64.9	100.1	33.5	1404.0
37 Kolkhoz Pay	1.8	0.0	0.0	0.1	0.0	0.0	0.7	271.5	120.9	22.5	18.0	135.3	85.9	656.7
38 Social Security	177.4	116.3	199.2	12.7	251.3	202.2	418.5	4062.0	474.5	416.4	642.6	508.2	146.5	7627.8
39 Kolkhos Soc. Sec.	0.3	0.0	0.0	0.0	0.0	0.0	0.1	35.8	11.5	2.1	1.8	15.7	8.2	75.5
40 Net Profit	4015.2	8531.0	1750.3	-26.8	5055.3	4675.7	6188.1	25175.4	3624.3	2358.2	6912.2	6061.9	1595.6	75916.5
41 Bonus Wages	168.6	135.0	134.4	6.5	222.0	151.3	325.8	2912.8	306.7	280.0	439.9	326.5	177.6	5587.1
42 Turnover Tax	1433.2	8011.9	0.0	0.0	86.4	332.7	2124.0	8721.1	209.9	1149.3	9608.4	21954.0	1731.2	55361.9
43 Net Subsidies	0.0	0.0	-2377.6	0.0	0.0	0.0	-1500.0	-1408.2	0.0	0.0	-1001.7	-32434.5	0.0	-38722.0
44 Other Net Income	0.0	3162.0	51.5	1.2	40.9	117.9	47.7	0.0	0.0	48.0	0.0	542.0	0.0	4011.2
45 Kolkhoz Income	0.7	0.0	0.0	0.0	0.0	0.0	1.5	1.4	45.4	4.4	10.7	-162.0	46.5	-51.4
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-128.6	-162.4	-35.8	-2.8	-82.0	-61.5	-133.1	-416.2	-93.4	-77.1	-707.3	-96.0	-75.3	-2071.4
48 Net Foreign Trade	-128.7	-14029.3	-536.7	21.9	1979.5	-1838.4	180.3	6813.8	-5002.2	0.6	16534.7	17598.7	-602.4	20998.7
49 G N P	10752.4	12016.4	2288.4	182.3	12167.0	7044.6	14220.4	83884.0	8026.0	10197.5	38529.1	21334.9	6294.4	226944.0
50 Total Output	21659.8	54104.6	8890.2	316.0	31448.9	25375.8	43095.0	183109.2	32575.3	27755.5	76040.9	105803.4	18986.3	629160.9
51 Import	469.8	2359.1	484.7	24.5	8750.5	2688.7	10954.0	43086.7	2072.7	1287.9	24336.6	21391.6	1847.8	119754.6
52 Total Supply	22129.6	56463.7	9374.8	340.5	40199.4	28064.5	54049.0	226195.9	34647.9	29043.4	100377.6	127195.0	20834.2	748915.5

Russia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Science	
					Prod.	PROD.							Health	
1 Power	713.1	717.0	1599.7	584.5	20.9	16145.1	978.3	385.6	85.5	438.9	53.2	301.6	793.6	607.4
2 Petro-Gas	1477.1	1756.3	4626.5	162.8	17.0	34347.2	437.3	1724.7	80.1	210.5	25.5	144.6	380.6	331.8
3 Coal	54.5	207.4	104.3	86.6	1.6	7198.4	438.8	20.2	7.8	247.9	30.0	170.4	448.3	48.5
4 Other Fuels	30.4	79.4	2.0	2.2	0.0	312.2	7.1	0.3	0.1	4.4	0.0	3.0	7.9	2.7
5 Ferrous Metals	5081.5	86.5	149.7	16.7	0.8	32423.5	75.2	36.6	3.6	9.0	1.1	6.2	16.2	856.6
6 N-Ferrous Metals	157.0	3.5	16.8	3.6	0.6	22183.4	3.7	5.4	0.6	5.5	0.7	3.8	9.9	876.1
7 Chemicals	1690.0	3369.8	745.2	109.2	19.7	32726.1	260.6	231.4	27.7	90.8	82.2	1053.5	1226.5	950.3
8 MBMW	8336.0	4605.8	1720.1	425.9	27.0	79776.4	469.0	661.4	66.3	213.1	25.8	146.5	385.4	6284.4
9 Wood & Paper	3523.3	658.4	209.5	340.9	451.9	20398.6	321.9	45.0	13.6	147.3	17.8	101.2	266.3	417.3
10 Constr. Materials	18500.7	457.5	420.7	192.6	3.4	26022.6	296.6	30.9	5.8	88.1	0.7	60.6	159.4	301.5
11 Light Industry	477.2	352.1	200.3	285.5	70.4	45410.0	216.5	70.2	15.8	500.1	60.6	343.7	904.4	286.1
12 Food Industry	64.3	3831.0	11.1	394.5	1.3	32800.8	98.6	63.0	0.3	2033.0	252.7	1486.0	3771.7	62.7
13 Other Industry	171.7	6642.9	163.8	179.1	575.1	11735.2	217.5	81.3	7.0	259.0	31.4	178.0	468.3	289.8
14 Total Industry	40276.8	22767.5	9969.6	2784.0	1189.7	361479.3	3821.1	3355.4	314.2	4247.5	592.2	3998.8	8838.5	11315.2
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	12.1	24807.2	6.1	327.9	0.0	89795.8	38.1	2.7	2.2	397.3	48.1	273.0	718.4	20.4
17 Production T & C	1826.6	2288.8	64.3	263.5	638.7	43703.1								
18 T & D	0.0	3237.0	0.0	0.0	867.3	27280.2								
19 Other Prod. Sectors	473.2	261.1	177.6	568.2	46.4	3510.3	42.2	41.3	9.8	113.2	13.7	77.8	204.7	237.9
20 Material Outlays	42588.7	53361.7	10217.7	3943.6	2742.0	525768.8	3901.4	3399.4	326.2	4758.0	654.0	4349.6	9761.6	11573.5
21 Housing-Communal	553.5	291.0	430.0	471.2	33.6	4644.8	57.1	40.5	32.3	46.9	12.6	29.5	89.0	38.2
22 N-Prod. Transport	506.0	383.0	209.4	172.8	40.4	2373.8	91.8	72.3	27.6	174.7	47.0	126.6	348.3	123.5
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	10.1	10.9	19.6	61.7	29.0	42.0	132.7	99.2
24 Education	279.3	296.5	300.7	102.1	11.1	2344.1	21.8	19.2	11.6	0.0	0.0	0.0	0.0	0.0
25 Culture	64.2	65.2	66.2	23.5	2.4	527.2	6.2	5.5	3.9	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	240.0	231.3	234.6	87.9	8.6	1889.8	18.0	12.7	8.9	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	583.5	593.0	601.4	213.5	22.2	4761.1	45.9	37.4	24.4	0.0	0.0	0.0	0.0	0.0
28 Science	698.5	260.7	261.4	63.9	6.5	3073.6	6.7	8.8	17.2	0.0	0.0	0.0	0.0	507.0
29 Banking & Insurance	500.9	264.7	221.3	1653.3	9.3	4492.2	20.0	23.9	30.8	0.0	0.0	0.0	0.0	10.0
30 State Admin.						0.0								
31 Service Outlays	2842.3	1792.5	1723.5	2574.6	112.0	19345.5	231.6	193.8	151.9	283.3	88.5	198.1	569.9	777.9
32 Defense & Other						0.0								
33 Total Outlays	45430.9	55154.2	11941.2	6518.2	2854.0	545114.2	4133.0	3593.2	478.1	5041.3	742.5	4547.7	10331.5	12351.4
34 Depreciation	7442.6	11203.3	11573.8	3088.7	271.6	78608.4	9243.1	2952.9	805.6	2734.7	288.2	1532.1	4555.0	2748.6
35 Wages	25840.0	14579.3	10109.2	10685.3	2346.0	120267.9	5404.5	4608.0	1524.7	10836.1	1700.5	6944.0	19480.6	7312.8
36 Other Wages	690.0	182.8	223.3	115.5	21.5	2637.1	123.5	171.5	44.4	41.0	26.4	66.0	133.4	165.5
37 Kolkhoz Pay	1324.8	8907.0	25.0	0.0	88.0	11001.6				123.8	15.2	74.4	213.4	
38 Social Security	3035.5	771.9	1010.7	754.8	185.4	13386.1	307.4	387.7	120.4	784.3	124.6	505.4	1414.3	911.2
39 Kolkhos Soc. Sec.	7.3	890.9	2.0	0.0	10.0	985.7				8.7	1.6	13.1	23.4	
40 Net Profit	11551.8	6567.7	10401.5	4163.6	1104.5	109705.6	1221.8	1197.4	2249.4	0.0	0.0	0.0	0.0	1327.6
41 Bonus Wages	1657.9	1309.9	514.6	1067.8	17.3	10154.7	361.2	452.4	177.0	99.9	52.1	69.6	221.6	797.2
42 Turnover Tax	0.0	0.0	0.0	16.8	0.0	55378.7								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-38722.0								
44 Other Net Income	586.1	0.0	839.5	1974.0	0.0	7410.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	5061.4	0.0	0.0	12.0	5022.0								
46 Private Income	826.9	19018.0	0.0	0.0	819.1	20664.0	2050.0	850.0	0.0	950.0	150.0	1500.0	2600.0	
47 Total Losses	-3516.0	-1466.7	-172.2	-36.7	-4.6	-7267.6		-37.2	-23.8					
41 Net Foreign Trade	0.0	7997.3	-70.0	41284.0	-166.0	70043.9								
49 G N P	47789.1	73712.9	33942.7	62046.0	4687.4	449122.2	18350.3	10130.3	4720.7	15578.5	2358.6	10704.6	28641.7	12465.7
50 Total Output	93220.0	120869.9	45953.9	27280.2	7707.5	924192.5	22483.3	13723.5	5198.8	20619.8	3101.1	15252.3	38973.2	24817.1
51 Import	0.0	8736.6	0.0	0.0	1059.0	129550.2								
52 Total Supply	93220.0	129606.4	45953.9	27280.2	8766.5	1053742.7	22483.3	13723.5	5198.8	20619.9	3101.1	15252.3	38973.3	24817.1

Russia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank&	State	Total	Defense	TOTAL	House-	-/-	-/-	Govern.	Defence	Total	Invent.	Net	G N P
	Insur.	Admin.	Services	& Other	OUTLAY	holds	Paid	Free		& Other	Fixed		Export	
1 Power	8.4	33.4	2892.2	0.0	19037.3	2493.9	2493.9				0.0	0.0	0.0	2493.9
2 Petro-Gas	20.5	81.8	3056.8	855.2	38259.2	1877.3	1877.3				0.0	-61.2	0.0	1816.1
3 Coal	2.8	11.4	977.8	0.0	8176.2	149.7	149.7				0.0	27.6	0.0	177.3
4 Other Fuels	0.1	0.2	18.4	0.0	330.6	32.5	32.5				0.0	-25.1	0.0	7.4
5 Ferrous Metals	0.4	1.7	989.7	7.1	33420.3	50.6	50.6				0.0	-42.6	0.0	8.1
6 N-Ferrous Metals	0.1	0.2	896.0	0.0	23079.4	0.0	0.0				0.0	458.0	0.0	458.0
7 Chemicals	14.8	59.2	2770.5	2182.4	37679.0	5432.8	5432.8				0.0	170.3	0.0	5603.2
8 MBMW	6.7	26.8	7900.0	20207.2	107883.6	16836.6	16836.6				65172.1	30.8	0.0	82039.5
9 Wood & Paper	6.1	24.3	1094.5	0.0	21493.1	5417.2	5417.2				825.2	-162.4	0.0	6079.9
10 Constr. Materials	1.1	4.5	799.8	0.0	26822.4	1465.1	1465.1				0.0	-531.4	0.0	933.7
11 Light Industry	5.4	21.4	1519.8	1733.7	48663.5	44415.5	44415.5				418.3	-921.6	0.0	43912.1
12 Food Industry	0.1	0.2	3996.6	1332.9	38130.3	85865.5	85865.5				0.0	-593.8	0.0	85271.7
13 Other Industry	19.8	79.4	1163.1	0.0	12898.3	5225.9	5225.9				81.6	178.1	0.0	5485.6
14 Total Industry	86.3	344.5	28075.2	26318.6	415873.1	169262.4	169262.4				66497.2	-1473.2	0.0	234286.4
15 Construction			0.0	0.0	0.0	0.0	0.0				93220.0	0.0	0.0	93220.0
16 Agri. & Forestry	0.9	3.6	786.3	262.4	90844.5	30598.8	30598.8		1119.1		2503.8	3800.9	0.0	38022.6
17 Production T & C		0.0		0.0	43703.1	0.0	0.0		2180.8		0.0	0.0	0.0	2180.8
18 T & D				0.0	27280.2	0.0	0.0				0.0	0.0	41284.0	41284.0
19 Other Prod. Sectors	23.7	95.0	654.6	0.0	4164.9	3079.1	3079.1				136.5	161.0	0.0	3376.6
20 Material Outlays	110.9	443.1	29516.1	26581.0	581865.9	202940.3	202940.3		3299.9		162357.5	2488.8	41284.0	412370.5
21 Housing-Communal	53.5	21.5	332.1	68.1	5045.0	15757.6	7779.6	7978.0	1252.7	428.0			0.0	17438.3
22 N-Prod. Transport	77.1	90.7	831.3	29.0	3234.1	7776.9	7776.9	0.0	0.0	2087.2			625.3	10489.4
23 N-Prod. Commun.	45.1	62.5	380.1	10.3	390.4	1970.6	1970.6	0.0	1397.0	1049.4			391.3	4808.3
24 Education	5.7	0.0	58.2		2402.3	18217.6	1604.4	16613.2	0.0	0.0			0.0	18217.6
25 Culture	1.5	0.0	17.1		544.3	2556.8	1316.6	1240.2	0.0	0.0			0.0	2556.8
26 Health, etc.	5.2	0.0	44.8		1934.6	13317.7	3580.5	9737.2	0.0	0.0			0.0	13317.7
27 Educ. Cult & Health	12.4	0.0	120.2		4881.3	34092.1	6501.5	27590.6	0.0	0.0			0.0	34092.0
28 Science	0.0	0.0	539.6		3613.2	0.0	0.0	0.0	5043.7	14556.0			1604.2	21203.9
29 Banking & Insurance	0.0	0.0	84.7		4576.9	1946.9	1946.9	0.0	0.0	0.0			1860.0	3806.9
30 State Admin.			0.0		0.0	2807.1	2807.1	0.0	1848.0	0.0			0.0	4655.1
31 Service Outlays	188.1	174.8	2288.0	107.4	21740.9	64351.2	28782.6	35568.6	9541.4	18120.6			4480.8	96494.0
32 Defense & Other			0.0		0.0					41752.4			0.0	41752.4
33 Total Outlays	299.0	617.9	31804.1	26688.4	603606.7	267291.5	231722.9	35568.6	12841.3	59873.0	162357.5	2488.8	45764.8	550616.9
34 Depreciation	52.1	294.9	20652.2	1183.6	100444.2									
35 Wages	786.6	3469.8	42587.0	11772.7	174627.6									
36 Other Wages	23.8	59.2	721.3	801.0	4159.4									
37 Kolkhoz Pay			213.4		11215.0									
38 Social Security	71.2	213.3	3425.5	1306.7	18118.3									
39 Kolkhoz Soc. Sec.			23.4		1009.1									
40 Net Profit	5291.1	0.0	11287.3	0.0	120992.9									
41 Bonus Wages	205.2	0.0	2214.6		12369.3									
42 Turnover Tax			0.0		55378.7									
43 Net Subsidies			0.0		-38722.0									
44 Other Net Income	0.0	0.0	0.0		7410.8									
45 Kolkhoz Income			0.0		5022.0									
46 Private Income			5500.0		26164.0									
47 Total Losses			-61.0		-7328.6									
48 Net Foreign Trade	1860.0		1860.0		71903.9									
49 G N P	8084.8	4037.2	86430.7	15064.0	550616.9									
50 Total Output	6523.8	4655.1	116374.8	41752.4	1082319.7									
51 Import			0.0		129550.2									
52 Total Supply	6523.8	4655.1	116374.9	41752.4	1211869.9									

Russia 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
		USES
1 Power	598.5	22129.6
2 Petro-Gas	16388.3	56463.7
3 Coal	1021.4	9374.9
4 Other Fuels	2.6	340.5
5 Ferrous Metals	6771.0	40199.4
6 N-Ferrous Metals	4527.1	28064.5
7 Chemicals	10766.9	54049.1
8 MBMW	36272.9	226196.0
9 Wood & Paper	7074.9	34647.9
10 Constr. Materials	1287.3	29043.4
11 Light Industry	7801.9	100377.5
12 Food Industry	3792.9	127195.0
13 Other Industry	2450.2	20834.1
14 Total Industry	98755.9	748915.5
15 Construction	0.0	93220.0
16 Agri. & Forestry	739.3	129606.4
17 Production T & C	70.0	45953.9
18 T & D	0.0	27280.2
19 Other Prod. Sectors	1225.0	8766.5
20 Material Outlays	100790.3	1053742.6
21 Housing-Communal		22483.3
22 N-Prod. Transport		13723.5
23 N-Prod. Communic.		5198.7
24 Education		20619.9
25 Culture		3101.1
26 Health, etc.		15252.3
27 Educ., Cult & Health		38973.3
28 Science		24817.1
29 Banking & Insurance		6523.8
30 State Admin.		4655.1
31 Service Outlays	0.0	116374.9
32 Defense & Other		41752.4
33 Total Outlays	100790.3	1211869.9
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhos Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Tadjikistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro-	Coal	Other	Ferr.	N-Ferr.	Chem.	MBMW	Wood	Constr.	Light	Food	Other	Total
	Gas			Fuels	Metals	Metals			Paper	Mater.			Ind.	Industry
1 Power	0.6	0.3	0.2	0.0	0.1	53.8	12.3	10.2	1.6	7.8	11.5	6.7	2.1	107.4
2 Petro-Gas	26.8	4.4	0.1	0.0	0.1	28.9	6.4	6.9	0.8	20.9	3.8	6.9	0.7	106.8
3 Coal	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.2	0.0	2.0	0.1	3.2	0.0	6.1
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	0.2	0.1	0.1	0.0	0.6	14.2	1.4	75.5	2.4	20.4	3.9	1.0	0.2	120.0
6 N-Ferrous Metals	0.0	0.0	0.0	0.0	0.0	193.3	2.1	24.3	0.1	1.2	0.1	0.6	0.6	222.2
7 Chemicals	0.7	0.1	0.2	0.0	0.0	7.2	91.5	29.6	3.4	4.1	89.9	5.8	3.1	235.5
8 MBMW	2.1	0.2	0.4	0.0	0.0	14.8	13.1	166.0	6.1	8.7	10.4	8.8	2.1	232.8
9 Wood & Paper	0.4	0.0	1.3	0.0	0.0	1.3	3.5	6.5	48.0	3.3	4.5	12.7	0.6	82.1
10 Constr. Materials	0.2	0.0	0.0	0.0	0.0	0.4	0.6	2.3	1.8	80.4	0.9	5.8	0.2	92.7
11 Light Industry	0.1	0.0	0.1	0.0	0.0	1.3	3.3	4.2	5.8	1.2	846.8	65.8	3.6	932.4
12 Food Industry	0.0	0.0	0.0	0.0	0.0	0.4	2.9	0.8	0.3	0.7	5.1	261.6	18.2	290.1
13 Other Industry	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.8	0.2	0.7	2.0	4.7	13.8	22.5
14 Total Industry	31.4	5.3	2.8	0.0	0.9	316.1	137.3	327.3	70.4	151.4	979.1	383.7	45.1	2450.8
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	888.0	569.6	39.9	1497.5
17 Production T & C	0.5	23.0	2.5	0.0	6.7	4.9	12.8	26.9	9.3	95.5	12.8	17.7	3.5	216.2
18 T & D	0.0	28.4	0.5	0.0	2.3	0.8	21.7	35.0	10.4	5.0	57.5	129.8	10.0	301.5
19 Other Prod. Sectors	2.4	0.0	0.0	0.0	4.3	3.7	0.6	4.9	0.1	1.0	5.3	1.0	0.3	23.6
20 Material Outlays	34.3	56.7	5.8	0.0	14.3	325.5	172.4	394.2	90.1	253.0	1942.6	1101.8	98.8	4489.5
21 Housing-Communal	3.8	0.2	0.1	0.0	0.1	1.0	0.6	5.9	0.8	1.0	10.1	2.7	0.6	27.0
22 N-Prod. Transport	0.6	0.0	0.1	0.0	0.0	0.2	0.2	3.1	0.6	0.9	4.0	0.5	0.4	10.6
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	2.1	0.1	0.1	0.0	0.0	0.5	0.3	2.9	0.4	0.5	4.0	1.0	0.3	12.3
25 Culture	0.9	0.0	0.0	0.0	0.0	0.1	0.1	1.4	0.1	0.1	1.0	0.2	0.1	4.0
26 Health, etc.	1.1	0.1	0.0	0.0	0.0	0.4	0.3	2.0	0.3	0.4	2.5	0.8	0.3	8.2
27 Educ., Cult. & Health	4.1	0.2	0.1	0.0	0.1	1.1	0.7	6.3	0.8	1.1	7.5	2.0	0.7	24.6
28 Science	2.5	0.2	0.0	0.0	0.0	0.8	0.3	6.7	0.2	0.5	2.1	0.4	0.0	13.7
29 Banking & Insurance	1.2	0.1	0.0	0.0	0.0	0.3	0.2	3.7	0.2	0.3	5.4	3.5	0.2	15.0
30 State Admin.														
31 Service Outlays	12.2	0.7	0.3	0.0	0.2	3.4	2.0	25.7	2.5	3.8	29.1	9.2	1.9	90.9
32 Defense & Other														
33 Total Outlays	46.5	57.4	6.1	0.0	14.5	328.8	174.4	419.9	92.7	256.8	1971.7	1111.0	100.7	4580.4
34 Depreciation	43.3	14.5	2.9	0.0	0.6	61.0	41.7	58.8	5.3	32.7	43.4	26.9	1.5	342.4
35 Wages	11.4	1.9	8.2	0.0	0.6	37.0	25.5	123.9	17.8	42.0	136.9	46.5	14.5	466.3
36 Other Wages	0.1	0.3	0.1	0.0	0.0	0.6	0.2	5.1	0.2	0.4	1.4	0.6	0.1	9.0
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.6	0.5	0.0	0.3	0.6	4.5
38 Social Security	1.9	0.2	0.7	0.0	0.1	4.1	3.8	15.1	1.5	4.8	17.7	4.9	1.0	55.9
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.1	0.5
40 Net Profit	89.9	4.4	-4.9	0.0	1.5	4.6	3.1	77.3	7.2	19.6	186.1	38.7	10.1	437.5
41 Bonus Wages	1.9	0.3	0.1	0.0	0.1	4.5	2.2	8.2	0.8	2.9	11.0	3.6	1.0	36.6
42 Turnover Tax	15.6	2.8	0.0	0.0	0.0	0.3	1.8	5.4	0.9	3.2	516.8	231.2	4.7	782.7
43 Net Subsidies	0.0	0.0	-2.5	0.0	0.0	0.0	-6.4	-5.8	0.0	0.0	-152.3	-182.5	5.3	-344.2
44 Other Net Income	0.0	1.9	0.5	0.0	0.0	2.0	1.0	0.0	0.0	2.7	0.0	4.0	0.0	12.1
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.7	-0.1	-4.9
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-2.4	-0.8	-0.2	0.0	0.0	-3.4	-2.4	-3.5	-0.5	-1.9	-18.2	-1.5	-0.9	-35.6
48 Net Foreign Trade	10.7	273.6	6.3	0.1	134.6	-175.6	248.0	579.0	133.5	32.4	-439.8	261.0	65.3	1129.1
49 G N P	170.6	298.7	11.1	0.1	137.3	-69.3	316.3	858.0	166.6	136.3	292.0	425.4	112.2	2855.3
50 Total Output	206.4	82.5	11.0	0.0	17.2	435.1	242.7	698.9	125.7	360.7	2703.5	1275.3	147.6	6306.7
51 Imports	71.7	293.6	9.8	0.1	137.9	177.6	335.3	804.3	140.6	63.8	700.6	498.3	68.8	3302.4
52 Total Supply	278.1	376.1	20.8	0.1	155.2	612.7	578.0	1503.2	266.3	424.5	3404.1	1773.6	216.4	9609.1

Tadjikistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 2

	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housin	Transp.	Comm.	Educ.	Cult.	Health	Educ. &	Science
					Prod.	PROD.							Health	
1 Power	12.5	7.7	3.3	9.1	1.0	141.2	8.3	1.4	2.9	10.9	1.3	7.4	19.7	2.6
2 Petro-Gas	40.6	31.8	58.6	6.6	0.3	244.5	10.9	30.6	0.7	4.4	0.5	3.0	7.9	4.1
3 Coal	0.4	1.6	0.2	1.6	0.0	10.0	0.1	0.1	0.0	2.3	0.3	1.6	4.1	0.1
4 Other Fuels	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	50.6	1.0	0.5	0.3	0.0	172.3	1.3	0.1	0.0	0.1	0.0	0.1	0.2	1.5
6 N-Ferrous Metals	8.1	0.1	0.1	0.0	0.1	230.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1
7 Chemicals	27.7	60.8	12.1	3.1	0.9	340.1	1.8	3.5	0.1	1.7	1.5	19.6	22.8	5.4
8 MBMW	103.0	34.8	13.8	12.8	0.9	398.1	5.8	6.7	0.8	4.9	0.6	3.3	8.8	6.5
9 Wood & Paper	59.7	2.3	0.9	6.0	4.7	155.8	1.0	0.2	0.2	1.5	0.2	1.1	2.8	1.5
10 Constr. Materials	295.2	2.8	1.8	3.0	0.1	395.7	1.7	0.1	0.0	1.2	0.1	0.8	2.2	0.8
11 Light Industry	5.5	29.1	1.4	10.0	0.7	979.0	1.9	0.5	0.2	9.9	1.2	6.8	17.9	1.0
12 Food Industry	1.3	14.8	0.0	5.2	0.0	311.5	1.3	0.0	0.0	29.6	3.7	21.8	55.1	0.3
13 Other Industry	2.1	81.7	0.8	4.6	6.4	118.0	2.0	0.5	0.2	5.0	0.6	3.5	9.1	0.9
14 Total Industry	606.8	268.7	93.4	62.2	15.1	3496.9	36.4	43.7	5.1	71.5	10.1	68.9	150.6	24.8
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.0	224.8	0.0	2.5	0.0	1724.9	0.3	0.0	0.0	5.4	0.7	3.7	9.8	0.1
17 Production T & C	43.9	32.3	0.2	1.2	4.5	298.2								
18 T & D	0.0	88.3	0.0	0.0	2.3	392.1								
19 Other Prod. Sectors	5.7	1.2	2.6	9.9	0.4	43.5	0.2	0.7	0.0	3.0	0.4	2.0	5.4	0.4
20 Material Outlays	656.4	615.2	96.3	75.8	22.4	5955.6	36.9	44.4	5.1	80.0	11.1	74.7	165.8	25.3
21 Housing-Communal	11.4	5.5	2.3	8.4	1.2	55.8	0.9	0.5	0.6	1.0	0.2	0.4	1.7	0.6
22 N-Prod. Transport	10.4	7.2	1.1	3.1	1.5	34.0	1.4	0.9	0.5	3.9	0.8	1.9	6.7	2.1
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3	1.4	0.5	0.6	2.5	1.7
24 Education	5.8	5.6	1.6	1.9	0.4	27.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0
25 Culture	1.3	1.8	0.7	0.5	0.1	8.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	3.0	4.4	1.1	1.0	0.3	18.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	10.1	11.7	3.4	3.4	0.8	54.0	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0
28 Science	17.6	4.5	1.4	1.9	0.2	39.4	0.2	0.2	0.3	0.0	0.0	0.0	0.0	8.3
29 Banking & Insurance	9.1	4.8	1.0	29.9	0.3	60.2	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.2
30 State Admin.														
31 Service Outlays	58.7	33.7	9.2	46.8	4.1	243.4	3.6	2.5	2.6	6.3	1.6	3.0	10.9	12.9
32 Defense & Other														
33 Total Outlays	715.0	649.0	105.5	122.6	26.5	6199.0	40.5	46.9	7.7	86.3	12.7	77.7	176.7	38.2
34 Depreciation	124.1	150.0	78.4	33.8	4.1	732.8	143.5	36.9	9.9	33.0	3.5	18.5	55.0	18.0
35 Wages	349.6	291.8	91.0	141.6	27.0	1367.3	53.6	61.0	17.6	364.1	31.8	128.6	524.5	69.5
36 Other Wages	11.6	3.8	1.4	2.1	0.3	28.2	0.8	2.3	0.5	1.6	0.5	1.5	3.6	1.6
37 Kolkhoz Pay	6.7	405.3	0.8	0.0	0.0	417.2				2.9	0.4	1.8	5.1	
38 Social Security	37.4	15.7	8.0	9.9	1.9	128.8	4.8	5.1	1.4	26.4	2.3	9.4	38.1	8.7
39 Kolkhoz Soc. Sec.	0.1	48.7	0.0	0.0	0.0	49.3				0.3	0.1	0.1	0.5	
40 Net Profit	110.4	110.0	46.5	82.8	4.5	791.8	16.0	15.4	25.8	0.0	0.0	0.0	0.0	6.4
41 Bonus Wages	14.4	8.8	3.2	2.8	0.0	65.8	5.5	5.8	2.0	2.8	1.3	1.9	6.0	7.6
42 Turnover Tax	0.0	0.0	0.0	0.1	0.0	782.8								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-344.2								
44 Other Net Income	0.0	0.0	5.3	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	94.5	0.0	0.0	0.0	89.6								
46 Private Income	69.1	547.3	0.0	0.0	18.7	635.1	26.0	11.0	0.0	21.0	4.0	23.0	48.0	0.0
47 Total Losses	-108.2	-13.8	-1.0	-0.8	0.0	-159.4		-0.5	-0.3					
48 Net Foreign Trade		64.4		-1309.0	-6.5	-122.0								
49 G N P	600.7	1717.5	230.5	-1039.5	50.0	4414.7	244.7	131.2	54.9	452.1	43.9	184.8	680.8	104.2
50 Total Output	1315.8	2302.1	336.0	392.1	83.1	10735.7	285.2	178.1	62.6	538.4	56.6	262.5	857.5	142.4
51 Import	0.0	145.3	0.0	0.0	3.5	3451.2								
52 Total Supply	1315.8	2447.4	336.0	392.1	86.6	14186.9	285.2	178.1	62.6	538.4	56.6	262.5	857.5	142.4

Tadjikistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & Insur.	State Admin.	TOTAL SERV.	Defense & Other	TOTAL OUTLAY	House-holds	-/- Paid	-/- Free	Govern. & Other	Defense & Other	Total Fixed	Invent.	Net Export	G N P
1 Power	0.2	0.9	36.0	0.0	177.1	40.1	40.1				0.0	0.0	0.0	40.1
2 Petro-Gas	0.2	3.0	57.4	9.5	311.4	51.9	51.9				0.0	-7.2	0.0	44.7
3 Coal	0.1	0.8	5.3	0.2	15.5	1.9	1.9				0.0	-0.1	0.0	1.8
4 Other Fuels	0.0	0.0	0.0	0.0	0.1	0.0	0.0				0.0	0.0	0.0	0.0
5 Ferrous Metals	0.0	0.0	3.1	0.1	175.5	0.9	0.9				0.0	-24.6	0.0	-23.7
6 N-Ferrous Metals	0.0	0.1	0.5	0.0	231.1	0.0	0.0				0.0	28.4	0.0	28.4
7 Chemicals	0.2	1.4	35.2	23.4	398.7	78.0	78.0				0.0	14.1	0.0	92.1
8 MBMW	0.2	0.4	29.2	219.4	646.7	312.9	312.9				414.1	-96.0	0.0	631.0
9 Wood & Paper	0.1	0.3	6.1	0.0	161.9	91.9	91.9				11.2	-5.7	0.0	97.4
10 Constr. Materials	0.0	0.1	4.9	0.0	400.6	42.4	42.4				0.0	-49.9	0.0	-7.4
11 Light Industry	0.1	0.2	21.8	17.5	1018.3	1012.6	1012.6				16.7	215.9	0.0	1245.3
12 Food Industry	0.0	0.2	56.9	13.9	382.3	1174.5	1174.5				0.0	-20.6	0.0	1153.9
13 Other Industry	0.3	1.3	14.3	0.0	132.3	86.3	86.3				-0.1	-5.6	0.0	80.6
14 Total Industry	1.4	8.7	270.6	284.0	4051.6	2893.3	2893.3				441.9	48.8	0.0	3384.0
15 Construction			0.0	0.0	0.0	0.0	0.0				1315.7	0.0	0.0	1315.7
16 Agri. & Forestry	0.0	0.1	10.3	2.8	1738.0	585.0	585.0				88.8	-45.1	0.0	628.6
17 Production T & C	0.0	0.0	0.0	0.0	298.2	0.0	0.0		37.8		0.0	0.0	0.0	37.8
18 T & D	0.0		0.0	0.0	392.1	0.0	0.0				0.0	0.0	-1309.0	-1309.0
19 Other Prod. Sectors	0.1	0.1	6.9	0.0	50.4	35.4	35.4				0.8	-9.9	0.0	26.3
20 Material Outlays	1.5	8.9	287.8	286.8	6530.2	3513.7	3513.7	0.0	37.8	0.0	1847.1	-6.3	-1309.0	4083.4
21 Housing-Communal	0.3	0.5	5.1	5.6	66.5	199.9	81.5	118.4	14.3	4.5				218.7
22 N-Prod. Transport	0.8	2.0	14.4	2.4	50.8	118.1	118.1	0.0	0.0	21.0			-11.8	127.3
23 N-Prod. Commun.	0.4	1.4	6.6	0.8	7.4	19.5	19.5	0.0	19.7	18.5			-2.5	55.2
24 Education	0.1	0.0	1.2	0.0	28.7	509.7	25.3	484.4	0.0	0.0				509.7
25 Culture	0.0	0.0	0.3	0.0	8.7	37.9	19.5	18.4	0.0	10.0				47.9
26 Health, etc.	0.1	0.0	0.7	0.0	18.7	243.8	47.6	196.2	0.0	0.0				243.8
27 Educ., Cult. & Health	0.2	0.0	2.1	0.0	56.1	791.4	92.4	699.0	0.0	10.0				801.4
28 Science	0.0	0.0	9.0	0.0	48.4	0.0	0.0	0.0	26.1	94.5			-26.6	94.0
29 Banking & Insurance	0.0	0.0	0.8	0.0	61.0	15.3	15.3	0.0	0.0	0.0			7.0	22.3
30 State Admin.					0.0	36.9	36.9	0.0	27.6	20.3				84.8
31 Service Outlays	1.7	3.8	38.0	8.8	290.2	1181.1	363.7	817.4	87.7	168.8	0.0	0.0	-33.9	1403.7
32 Defense & Other										471.9				471.9
33 Total Outlays	3.2	12.7	325.8	295.6	6820.5	4694.8	3877.4	817.4	125.5	640.7	1847.1	-6.3	-1342.9	5959.0
34 Depreciation	0.5	2.6	266.4	5.6	1004.8									
35 Wages	9.7	63.5	799.4	115.2	2281.9									
36 Other Wages	0.5	1.5	10.8	15.8	54.8									
37 Kolkhoz Pay	0.0	0.0	5.1		422.3									
38 Social Security	0.7	4.5	63.3	11.0	203.1									
39 Kolkhoz Soc. Sec.			0.5		49.8									
40 Net Profit	61.7	0.0	125.3	28.7	945.8									
41 Bonus Wages	3.7	0.0	30.6		96.4									
42 Turnover Tax			0.0		782.8									
43 Net Subsidies			0.0		-344.2									
44 Other Net Income	0.0	0.0	0.0		17.4									
45 Kolkhoz Income			0.0		89.6									
46 Private Income	0.0	0.0	85.0		720.1									
47 Total Losses			-0.8		-160.2									
48 Net Foreign Trade	7.0		7.0		-115.0									
49 G N P	80.1	72.1	1368.0	176.3	5959.0									
50 Total Output	76.3	84.8	1686.8	471.9	12894.4									
51 Import			0.0		3451.2									
52 Total Supply	76.3	84.8	1686.8	471.9	16345.6									

Tadjikistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 3

	43	44
	Export	TOTAL
	USES	
1 Power	61.0	278.2
2 Petro-Gas	20.0	376.1
3 Coal	3.5	20.8
4 Other Fuels	0.0	0.1
5 Ferrous Metals	3.3	155.1
6 N-Ferrous Metals	353.2	612.7
7 Chemicals	87.3	578.1
8 MBMW	225.3	1503.0
9 Wood & Paper	7.1	266.4
10 Constr. Materials	31.4	424.5
11 Light Industry	1140.4	3404.0
12 Food Industry	237.3	1773.5
13 Other Industry	3.5	216.4
14 Total Industry	2173.3	9608.9
15 Construction	0.0	1315.7
16 Agri. & Forestry	80.9	2447.5
17 Production T & C	0.0	336.0
18 T & D	0.0	392.1
19 Other Prod. Sectors	10.0	86.7
20 Material Outlays	2264.2	14186.8
21 Housing-Communal		285.2
22 N-Prod. Transport		178.1
23 N-Prod. Communic.		62.6
24 Education		538.4
25 Culture		56.6
26 Health, etc.		262.5
27 Educ., Cult. & Health		857.5
28 Science		142.4
29 Banking & Insurance		76.3
30 State Admin.		84.8
31 Service Outlays	0.0	1686.9
32 Defense & Other		471.9
33 Total Outlays	2264.2	16345.6
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Turkmenistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	0.2	24.3	0.0	0.0	0.0	0.0	8.1	4.9	1.7	10.5	6.6	4.7	0.7	61.5
2 Petro-Gas	73.4	246.5	0.0	0.0	0.0	0.0	28.5	2.5	0.6	12.6	3.1	4.8	0.3	372.4
3 Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.6	0.1	0.0	0.0	0.9
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	0.3	2.3	0.0	0.0	0.0	0.1	2.9	28.1	0.6	14.9	2.3	1.1	0.1	52.9
6 N-Ferrous Metals	0.0	0.1	0.0	0.0	0.0	2.6	0.1	8.4	0.0	1.0	0.0	0.3	0.0	12.6
7 Chemicals	1.8	9.4	0.0	0.0	0.2	0.0	55.9	12.0	1.1	4.5	9.8	2.3	1.5	98.5
8 MBMW	6.3	21.4	0.0	0.0	2.1	0.0	2.1	89.7	1.2	10.0	8.9	2.3	0.2	144.4
9 Wood & Paper	0.3	0.5	0.0	0.0	0.0	0.2	4.1	5.8	29.7	5.7	2.9	4.8	0.4	54.3
10 Constr. Materials	0.3	0.2	0.0	0.0	0.0	0.0	3.5	4.4	1.2	68.7	0.6	1.2	0.0	80.1
11 Light Industry	0.2	0.7	0.0	0.0	0.0	0.1	2.1	3.1	1.2	1.1	296.5	45.8	2.3	353.1
12 Food Industry	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.4	0.1	0.4	0.7	226.1	2.2	231.4
13 Other Industry	0.0	1.0	0.0	0.0	0.0	0.0	8.9	2.0	0.1	0.9	2.5	7.7	8.8	32.0
14 Total Industry	82.9	306.5	0.0	0.0	2.4	3.1	117.7	161.5	37.5	131.0	333.9	301.1	16.6	1494.2
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	1424.7	299.6	8.0	1732.4
17 Production T & C	0.6	98.0	3.3	0.0	10.3	1.1	23.8	58.0	23.2	108.8	25.9	37.0	14.1	404.0
18 T & D	0.0	43.3	0.3	0.0	4.4	1.0	12.4	40.4	7.1	8.0	56.2	112.3	5.8	291.2
19 Other Prod. Sectors	2.0	3.1	0.0	0.0	0.0	0.0	0.7	2.9	0.0	4.5	2.4	3.8	0.0	19.4
20 Material Outlays	85.4	450.9	3.7	0.0	17.0	5.2	154.7	262.8	67.9	252.3	1843.0	753.8	44.5	3941.2
21 Housing-Communal	5.7	13.6	0.0	0.0	0.2	0.0	1.1	2.4	0.3	2.0	10.2	2.1	0.0	37.6
22 N-Prod. Transport	0.9	0.6	0.0	0.0	0.0	0.0	0.3	1.3	0.2	1.8	4.1	0.4	0.0	9.6
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	3.1	6.4	0.0	0.0	0.1	0.0	0.6	1.2	0.2	1.1	3.0	0.8	0.0	16.3
25 Culture	0.7	1.4	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.2	0.9	0.2	0.0	3.9
26 Health, etc.	2.4	5.0	0.0	0.0	0.1	0.0	0.5	0.9	0.1	0.8	3.6	0.6	0.0	14.0
27 Educ., Cult. & Health	6.1	12.8	0.0	0.0	0.2	0.0	1.2	2.4	0.3	2.2	7.5	1.5	0.0	34.3
28 Science	3.6	13.3	0.0	0.0	0.1	0.0	0.5	2.8	0.1	1.1	2.2	0.3	0.0	24.0
29 Banking & Insurance	1.8	6.7	0.0	0.0	0.0	0.0	0.3	1.5	0.1	0.6	5.5	2.6	0.0	19.1
30 State Admin.														
31 Service Outlays	18.2	47.0	0.0	0.0	0.5	0.0	3.4	10.5	1.0	7.6	29.4	6.9	0.1	124.5
32 Defense & Other														
33 Total Outlays	103.6	497.9	3.7	0.0	17.5	5.2	158.0	273.3	68.9	259.9	1872.4	760.7	44.6	4065.8
34 Depreciation	39.8	256.7	0.0	0.0	0.3	0.1	26.2	43.0	2.3	40.3	26.2	19.6	7.3	461.9
35 Wages	14.8	24.2	0.0	0.0	0.6	0.5	23.1	60.8	10.6	41.5	71.3	30.9	6.3	284.8
36 Other Wages	0.4	0.9	0.0	0.0	0.0	0.0	0.7	2.3	0.4	0.9	1.7	0.9	0.1	8.2
37 Kolkhoz Pay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.8	0.0	1.1	0.2	9.4
38 Social Security	3.0	4.9	0.0	0.0	0.1	0.1	3.5	4.6	0.8	3.3	9.5	4.3	0.3	34.3
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.1	0.0	0.2	0.0	1.1
40 Net Profit	56.3	222.1	0.0	0.0	0.9	0.4	3.2	39.6	5.1	24.5	117.9	22.0	0.6	492.4
41 Bonus Wages	2.8	5.1	0.0	0.0	0.1	0.0	1.9	3.2	0.3	2.7	53.3	1.9	0.3	71.5
42 Turnover Tax	18.2	147.6	0.0	0.0	0.0	0.0	6.7	2.7	0.0	2.1	124.8	228.8	1.9	532.8
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	0.0	-15.0	0.0	0.0	0.0	-375.6	-109.9	0.0	-500.5
44 Other Net Income	0.0	280.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	4.5	0.0	291.5
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-6.1	0.0	-5.8
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-0.9	-5.4	0.0	0.0	0.0	0.0	-1.0	-0.8	-0.1	-0.6	-21.0	-0.4	-2.2	-32.4
48 Net Foreign Trade	-56.1	-642.4	6.9	0.2	112.4	5.0	74.1	898.1	148.3	37.0	-646.1	467.7	110.5	515.6
49 G N P	75.2	288.6	6.9	0.2	114.2	6.2	123.5	1058.5	167.5	155.1	-691.3	663.6	125.0	2093.2
50 Total Output	235.0	1428.9	3.7	0.0	19.3	6.4	207.5	433.7	88.1	378.0	1827.2	956.5	59.1	5643.3
51 Import	8.6	100.2	6.9	0.2	115.7	9.3	215.2	942.4	148.6	57.9	577.3	560.6	111.2	2854.0
52 Total Supply	243.6	1529.0	10.6	0.2	135.0	15.7	422.7	1376.0	236.7	435.8	2404.6	1517.1	170.3	8497.4

Turkmenistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 2

	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other Prod.	TOTAL PROD.	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Health	Science
1 Power	15.8	11.1	8.7	5.6	0.5	103.2	13.8	1.4	1.4	7.9	1.0	5.4	14.3	0.6
2 Petro-Gas	61.4	54.1	32.5	1.8	0.3	522.5	11.7	31.3	1.0	2.8	0.3	1.9	5.0	2.8
3 Coal	1.2	1.3	0.5	1.0	0.0	4.9	9.0	0.1	0.0	1.6	0.2	1.1	2.9	0.0
4 Other Fuels	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	88.5	0.5	0.6	0.3	0.1	142.9	0.0	0.2	0.0	0.3	0.0	0.2	0.5	0.9
6 N-Ferrous Metals	0.8	0.0	0.1	0.1	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
7 Chemicals	45.7	92.4	4.9	1.5	0.7	243.7	0.5	2.9	0.0	0.8	0.7	9.3	10.8	2.1
8 MBMW	138.4	89.7	14.5	9.4	0.5	396.8	1.5	8.1	1.3	5.6	0.7	3.9	10.2	8.4
9 Wood & Paper	74.2	0.8	1.0	7.7	2.2	140.2	0.3	0.6	0.0	2.9	0.4	2.2	5.4	0.4
10 Constr. Materials	291.7	2.9	1.8	3.9	1.6	382.0	0.8	0.5	0.0	2.0	0.2	1.4	3.6	0.7
11 Light Industry	5.2	25.7	1.5	10.2	0.4	396.0	0.9	0.7	0.1	5.6	0.7	3.9	10.2	2.3
12 Food Industry	0.5	39.1	0.2	20.1	0.0	291.2	0.7	0.9	0.0	24.4	3.3	19.5	47.2	0.1
13 Other Industry	8.6	38.3	1.6	4.4	2.6	87.6	1.0	0.4	0.6	5.1	0.6	3.5	9.2	0.7
14 Total Industry	732.3	355.9	67.7	66.1	8.9	2725.0	31.2	47.1	4.4	59.0	8.1	52.1	119.3	19.4
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.1	222.2	0.5	8.0	0.0	1963.2	0.8	0.0	0.0	1.3	0.4	2.2	3.9	0.0
17 Production T & C	23.8	51.1	0.5	1.2	5.9	486.6								
18 T & D	0.0	106.6	0.0	0.0	3.8	401.6								
19 Other Prod. Sectors	2.7	0.0	0.5	6.2	3.6	32.4	1.1	0.6	0.6	5.4	0.6	3.6	9.6	0.5
20 Material Outlays	758.9	735.7	69.2	81.6	22.2	5608.8	33.1	47.7	5.0	65.7	9.2	57.9	132.8	19.9
21 Housing-Communal	9.1	18.9	4.1	12.0	1.1	82.8	0.5	0.6	0.7	0.7	0.2	0.4	1.3	0.2
22 N-Prod. Transport	8.3	24.9	2.0	4.5	1.4	50.6	0.8	1.2	0.6	2.7	0.8	1.6	5.1	0.8
23 N-Prod. Commun.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.9	0.5	0.5	2.0	0.6
24 Education	6.6	20.3	2.9	3.6	0.4	50.1	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0
25 Culture	1.1	4.2	0.6	0.6	0.1	10.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	3.9	15.0	2.2	2.3	0.3	37.8	0.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	11.6	39.6	5.7	6.5	0.7	98.4	0.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0
28 Science	10.4	15.3	2.9	1.1	0.2	53.8	0.1	0.1	0.4	0.0	0.0	0.0	0.0	3.0
29 Banking & Insurance	7.3	17.8	1.7	42.8	0.3	89.1	0.1	0.2	0.4	0.0	0.0	0.0	0.0	0.1
30 State Admin.														
31 Service Outlays	46.6	116.4	16.4	66.9	3.8	374.6	2.0	3.1	3.4	4.3	1.6	2.5	8.4	4.7
32 Defense & Other														
33 Total Outlays	805.5	852.1	85.6	148.5	25.9	5983.4	35.1	50.8	8.4	70.0	10.8	60.4	141.2	24.6
34 Depreciation	162.7	193.9	245.7	30.0	2.7	1096.9	99.2	28.3	8.8	32.4	3.4	18.2	54.0	18.0
35 Wages	550.9	185.0	121.6	127.1	24.0	1293.4	63.8	70.0	20.9	259.9	34.7	110.8	405.4	46.3
36 Other Wages	23.3	1.8	1.9	2.0	0.3	37.5	1.3	2.6	0.6	1.3	0.3	1.2	2.8	1.3
37 Kolkhoz Pay	15.4	620.0	0.0	0.0	0.0	644.8				3.4	0.4	2.0	5.8	
38 Social Security	44.0	8.5	10.6	10.2	1.9	109.4	3.0	5.1	1.4	24.4	3.3	10.4	38.1	8.7
39 Kolkhoz Soc. Sec.	0.2	77.8	0.0	0.0	0.0	79.1				0.3	0.1	0.2	0.6	
40 Net Profit	115.2	73.9	76.2	84.0	-5.2	836.4	9.0	17.3	30.2	0.0	0.0	0.0	0.0	10.3
41 Bonus Wages	1.4	11.3	3.1	2.9	0.6	90.7	4.2	6.6	2.4	2.2	1.0	1.4	4.6	6.2
42 Turnover Tax	0.0	0.0	0.0	0.1	0.0	532.9								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-500.5								
44 Other Net Income	0.0	0.0	10.5	0.0	0.0	302.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	286.1	0.0	0.0	0.0	280.2								
46 Private Income	53.4	431.6	0.0	0.0	6.7	491.7	20.0	12.0	0.0	15.0	3.0	15.0	33.0	
47 Total Losses	-180.2	-12.9	-1.8	-0.3	-0.7	-228.3		-0.5	-0.3					
48 Net Foreign Trade		-64.8		-105.0	27.0	372.8								
49 G N P	784.8	1800.8	464.7	148.1	56.7	5348.3	196.3	134.8	61.6	338.9	46.2	159.2	544.3	84.6
50 Total Output	1590.3	2717.7	550.3	401.6	55.6	10958.9	231.4	185.6	70.0	408.9	57.0	219.6	685.5	109.2
51 Import	0.0	70.4	0.0	0.0	32.8	2957.2								
52 Total Supply	1590.3	2788.1	550.3	401.6	88.4	13916.1	231.4	185.6	70.0	408.9	57.0	219.6	685.5	109.2

Turkmenistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 3

	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & Insur.	State Admin.	TOTAL SERV.	Defense & Other	TOTAL OUTLAY	House- holds	-/- Paid	-/- Free	Govern. & Other	Defense	Total Fixed	Invent.	Net Export	G N P
1 Power	0.2	0.7	32.4	1.8	137.4	41.5	41.5				0.0	0.0	0.0	41.5
2 Petro-Gas	0.2	0.8	52.8	13.8	589.1	72.0	72.0				0.0	125.3	0.0	197.3
3 Coal	0.1	0.1	3.2	0.2	8.3	2.6	2.6				0.0	-0.4	0.0	2.2
4 Other Fuels	0.0	0.0	0.0	0.1	0.3	0.0	0.0				0.0	-0.1	0.0	-0.1
5 Ferrous Metals	0.0	0.0	1.6	0.1	144.6	0.5	0.5				0.0	-13.4	0.0	-12.9
6 N-Ferrous Metals	0.0	0.0	0.4	0.0	14.1	0.0	0.0				0.0	-2.7	0.0	-2.7
7 Chemicals	0.2	0.6	17.1	34.1	294.9	82.4	82.4				0.0	-95.7	0.0	-13.3
8 MBMW	0.2	0.6	30.3	220.0	647.1	295.0	295.0				671.9	-282.4	0.0	684.5
9 Wood & Paper	0.1	0.3	7.1	0.0	147.3	72.8	72.8				1.5	14.8	0.0	89.1
10 Constr. Materials	0.0	0.0	5.6	0.0	387.6	29.1	29.1				0.0	-1.8	0.0	27.3
11 Light Industry	0.1	0.3	14.6	21.7	432.3	765.6	765.6				0.0	-16.7	0.0	748.9
12 Food Industry	0.0	0.0	48.9	16.4	356.5	1003.6	1003.6				0.0	64.1	0.0	1067.7
13 Other Industry	0.3	0.9	13.1	0.0	100.7	65.0	65.0				0.4	3.4	0.0	68.9
14 Total Industry	1.4	4.3	227.1	308.2	3260.3	2430.2	2430.2				673.8	-205.5	0.0	2898.5
15 Construction					0.0	0.0	0.0				1590.3	0.0	0.0	1590.3
16 Agri. & Forestry	0.0	0.1	4.8	3.2	1971.2	434.7	434.7				41.8	205.3	0.0	681.7
17 Production T & C					486.6	0.0	0.0		63.7		0.0	0.0	0.0	63.7
18 T & D					401.6	0.0	0.0				0.0	0.0	-105.0	-105.0
19 Other Prod. Sectors	0.1	0.3	12.8	0.0	45.2	34.6	34.6				0.6	2.2	0.0	37.3
20 Material Outlays	1.5	4.7	244.7	311.4	6164.9	2899.5	2899.5	0.0	63.7	0.0	2306.5	1.9	-105.0	5166.6
21 Housing-Communal	0.4	0.4	4.2	1.0	88.0	118.8	80.4	38.4	14.8	9.8				143.4
22 N-Prod. Transport	0.5	1.8	10.7	0.4	61.7	104.4	104.4	0.0	0.0	24.2			-4.7	123.9
23 N-Prod. Commun.	0.4	1.2	4.9	0.1	5.0	18.6	18.6	0.0	26.0	22.3			-1.9	65.0
24 Education	0.0	0.0	1.0	0.0	51.1	357.8	19.3	338.5	0.0	0.0				357.8
25 Culture	0.0	0.0	0.3	0.0	10.8	36.6	16.8	19.8	0.0	9.6				46.2
26 Health, etc.	0.0	0.0	0.8	0.0	38.6	181.0	29.4	151.6	0.0	0.0				181.0
27 Educ., Cult. & Health	0.0	0.0	2.1	0.0	100.5	597.7	65.5	532.2	0.0	0.0				597.7
28 Science	0.0	0.0	3.6	0.0	57.3	0.0	0.0	0.0	203.6	28.3			-180.0	51.9
29 Banking & Insurance	0.0	0.0	0.8	0.0	89.8	10.7	10.7	0.0	0.0	0.0			10.0	20.7
30 State Admin.					0.0	36.3	36.3	0.0	30.6	8.9				75.8
31 Service Outlays	1.3	3.4	26.3	1.5	402.4	864.2	315.9	548.3	275.0	103.1	0.0	0.0	-176.6	1065.7
32 Defense & Other					0.0	0.0	0.0	0.0	0.0	481.9				481.9
33 Total Outlays	2.6	8.1	271.0	312.9	6567.3	3763.7	3215.4	548.3	338.7	585.0	2306.5	1.9	-281.6	6714.3
34 Depreciation	0.6	3.2	212.1	26.2	1335.2									
35 Wages	6.6	59.1	672.1	128.1	2093.6									
36 Other Wages	0.4	0.9	9.9	4.5	51.9									
37 Kolkhov Pay	0.0	0.0	5.8		650.6									
38 Social Security	0.6	4.5	61.4	10.2	181.0									
39 Kolkhov Soc. Sec.			0.6		79.7									
40 Net Profit	89.5	0.0	156.3	0.0	992.7									
41 Bonus Wages	3.3	0.0	27.3		118.0									
42 Turnover Tax			0.0		532.9									
43 Net Subsidies			0.0		-500.5									
44 Other Net Income	0.0	0.0	0.0		302.0									
45 Kolkhov Income			0.0		280.2									
46 Private Income			65.0		536.7									
47 Total Loans			-0.8		-229.1									
48 Net Foreign Trade	10.0		10.0		382.8									
49 G N P	107.7	67.7	1197.0	169.0	6714.3									
50 Total Output	100.5	75.8	1458.0	481.9	12898.8									
51 Import					2957.2									
52 Total Supply	100.5	75.8	1458.0	481.9	15856.0									

Turkmenistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Export	TOTAL
		USES
1 Power	64.7	243.6
2 Petro-Gas	742.6	1529.1
3 Coal	0.0	10.6
4 Other Fuels	0.0	0.2
5 Ferrous Metals	3.3	135.0
6 N-Ferrous Metals	4.3	15.7
7 Chemicals	141.1	422.7
8 MBMW	44.3	1375.9
9 Wood & Paper	0.3	236.7
10 Constr. Materials	20.9	435.8
11 Light Industry	1223.4	2404.6
12 Food Industry	92.9	1517.2
13 Other Industry	0.7	170.3
14 Total Industry	2338.4	8497.3
15 Construction	0.0	1590.3
16 Agri. & Forestry	135.2	2788.1
17 Production T & C	0.0	550.3
18 T & D	0.0	401.6
19 Other Prod. Sectors	5.8	88.4
20 Material Outlays	2479.5	13916.0
21 Housing-Communal		231.4
22 N-Prod. Transport		185.6
23 N-Prod. Communic.		70.0
24 Education		408.9
25 Culture		57.0
26 Health, etc.		219.6
27 Educ., Cult. & Health		685.5
28 Science		109.2
29 Banking & Insurance		100.5
30 State Admin.		75.8
31 Service Outlays	0.0	1458.1
32 Defense & Other		481.9
33 Total Outlays	2479.5	15856.1
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

Ukraine 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	35.9	59.0	262.0	1.7	747.6	101.2	450.3	744.8	71.0	225.7	105.7	179.2	158.8	3142.9
2 Petro-Gas	1416.0	2023.5	23.0	1.7	602.4	61.2	560.8	493.5	87.9	441.4	31.7	297.6	63.6	6104.3
3 Coal	917.9	0.0	3399.6	0.4	1930.4	9.8	15.0	42.2	8.5	49.5	8.4	30.7	10.2	6422.5
4 Other Fuels	0.0	0.0	0.5	10.3	0.1	0.0	0.0	1.0	0.0	0.6	0.1	0.1	0.3	13.0
5 Ferrous Metals	8.9	3.2	64.5	0.6	8010.1	27.7	246.2	4548.7	69.0	440.6	13.3	80.4	19.3	13532.5
6 N-Ferrous Metals	71.0	1.2	0.6	0.0	330.7	752.2	135.7	1582.6	7.2	26.5	9.2	40.2	138.5	3095.5
7 Chemicals	15.5	58.8	86.9	0.4	196.5	49.6	3551.4	1764.0	238.6	247.5	910.5	156.2	196.6	7472.4
8 MBMW	285.1	26.8	324.7	2.1	730.1	47.1	182.1	16957.8	180.5	257.6	99.7	238.6	87.9	19419.9
9 Wood & Paper	3.6	2.6	167.7	0.4	64.3	12.3	202.5	603.7	1558.6	105.9	66.3	325.0	155.2	3268.1
10 Constr. Materials	3.5	0.8	20.9	0.3	47.5	8.0	56.8	238.0	61.0	1046.2	7.3	121.8	28.2	1640.1
11 Light Industry	6.8	2.5	42.7	0.4	62.9	5.9	252.3	389.9	207.8	69.1	9811.0	122.6	309.7	11283.6
12 Food Industry	4.6	16.4	4.3	0.0	15.6	2.5	192.9	121.4	14.0	24.1	184.6	9546.5	484.0	10610.9
13 Other Industry	7.6	2.4	24.7	0.0	39.3	4.6	29.8	143.6	10.3	22.8	17.1	183.3	541.0	1026.5
14 Total Industry	2776.5	2197.2	4422.0	18.3	12777.5	1082.1	5875.8	27631.1	2514.3	2957.4	11264.8	11322.1	2193.2	87032.2
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.2	0.0	0.2	0.1	3.8	1.7	61.1	0.3	1390.9	22088.9	1712.9	25260.1
17 Production T & C	56.5	1891.2	477.1	6.8	949.2	133.0	526.6	1491.0	350.5	1294.6	230.6	585.4	115.1	8107.6
18 T & D	0.0	376.0	112.1	0.9	82.7	13.8	360.6	623.1	147.7	130.0	1010.2	3457.8	166.9	6481.8
19 Other Prod. Sectors	15.2	15.4	15.2	0.0	19.5	1.7	54.1	149.3	44.1	38.8	19.5	49.8	18.7	441.3
20 Material Outlays	2848.2	4479.8	5026.6	26.0	13829.1	1230.7	6820.9	29896.3	3117.5	4421.1	13916.0	37503.9	4206.9	127323.0
21 Housing-Communal	9.4	12.5	41.6	0.0	98.6	13.9	66.8	254.8	26.4	31.7	72.4	91.6	18.6	738.4
22 N-Prod. Transport	1.5	0.6	39.5	0.0	25.3	2.9	16.9	134.9	19.0	27.6	32.8	29.7	12.5	343.2
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	5.0	5.9	22.4	0.0	43.1	7.5	36.0	100.2	14.2	17.0	32.7	39.0	10.0	333.0
25 Culture	1.1	1.3	4.9	0.0	21.1	1.7	7.9	33.8	3.1	3.7	7.6	13.1	2.2	101.5
26 Health, etc.	3.9	4.6	15.5	0.0	31.4	5.9	28.0	79.9	11.1	13.3	28.9	30.3	7.8	260.5
27 Educ., Cult. & Health	10.1	11.7	42.8	0.0	95.6	15.0	71.9	213.9	28.4	34.1	69.1	82.4	20.0	695.0
28 Science	5.9	12.3	13.3	0.0	47.8	10.7	29.8	352.8	5.4	17.1	12.5	15.0	1.0	523.7
29 Banking & Insurance	3.0	6.2	8.5	0.0	21.2	3.9	18.5	148.6	7.3	8.7	50.8	141.8	5.1	423.6
30 State Admin.														
31 Service Outlays	29.9	43.2	145.7	0.1	288.4	46.4	203.9	1105.1	86.5	119.2	237.6	360.4	57.3	2723.8
32 Defense & Other														
33 Total Outlays	2878.2	4523.0	5172.4	26.1	14117.5	1277.1	7024.8	31001.3	3204.0	4540.3	14153.6	37864.3	4264.2	130046.8
34 Depreciation	948.8	295.8	1134.3	8.1	1635.4	176.7	1092.7	3120.2	249.4	665.4	297.3	917.3	270.9	10812.3
35 Wages	228.5	46.8	2365.8	8.9	1149.7	109.6	727.9	7647.8	666.3	1065.7	1401.5	1263.3	409.5	17091.2
36 Other Wages	9.3	1.4	69.5	0.2	27.6	3.1	19.7	184.3	16.2	16.5	12.0	25.7	11.6	397.1
37 Kolkhoz Pay	0.2	0.0	0.0	0.0	0.0	0.0	1.3	125.7	73.8	24.8	36.6	59.0	92.6	413.9
38 Social Security	38.2	7.1	225.6	1.1	130.9	12.8	108.5	1055.8	63.3	130.9	175.0	160.8	36.0	2145.9
39 Kolkhos Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	15.5	9.5	3.1	4.6	7.0	11.7	51.7
40 Net Profit	996.7	397.0	1135.0	0.9	2078.2	413.0	1494.8	6820.1	682.1	778.6	2243.8	2662.3	467.5	20170.0
41 Bonus Wages	37.3	9.6	123.1	0.9	116.1	19.2	102.6	847.1	59.9	87.8	145.0	121.6	40.4	1710.6
42 Turnover Tax	326.3	1544.6	0.0	0.0	33.8	0.1	856.8	1700.4	56.4	498.8	2684.7	5966.8	676.2	14344.8
43 Net Subsidies	0.0	0.0	-2310.1	0.0	0.0	0.0	-416.3	-389.8	0.0	0.0	-433.6	-8947.8	25.1	-12472.5
44 Other Net Income	0.0	70.0	47.5	0.0	107.9	10.3	45.2	0.0	0.0	60.0	0.0	142.3	0.0	483.2
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.4	21.8	-4.9	1.3	8.5	-15.5	106.0	117.7
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Net Losses	-33.8	-10.5	-40.4	-0.3	-58.3	-6.3	-42.7	-132.5	-27.1	-29.8	-191.1	-32.7	-32.4	-638.0
48 Net Foreign Trade	-351.8	3211.9	-589.8	5.2	-4555.3	1143.7	1598.3	-2.1	1591.7	-320.1	6012.4	-2366.0	296.9	5675.0
49 G N P	2162.4	5564.1	2037.4	24.1	549.9	1862.9	5486.8	20167.0	3376.7	2895.1	12251.7	-157.5	2371.7	58592.3
50 Total Output	5392.3	6875.2	7799.5	45.0	19222.7	1996.3	10913.3	51170.5	4989.0	7755.5	20392.9	40072.8	6339.0	182964.1
51 Import	189.5	3962.5	376.6	5.2	3043.2	2066.4	5286.2	16206.9	2036.9	410.1	8764.6	4633.3	1139.5	48120.9
52 Total Supply	5581.8	10837.7	8176.1	50.2	22265.9	4062.7	16199.5	67377.4	7025.9	8165.6	29157.5	44706.1	7478.5	231085.0

Ukraine 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	E & C	Science
		Forestry			Prod.	PROD.							Health	
1 Power	96.8	193.1	209.5	98.9	6.3	3747.5	234.6	81.4	21.4	91.7	11.1	63.0	165.9	55.8
2 Petro-Gas	286.9	944.0	947.9	75.6	3.0	8361.7	93.8	391.2	30.0	48.9	5.9	33.6	88.5	55.1
3 Coal	22.3	89.7	26.1	36.3	1.3	6598.2	117.2	5.0	1.9	50.4	6.1	34.7	91.2	7.2
4 Other Fuels	4.3	18.7	0.0	0.4	0.0	36.4	2.8	0.1	0.0	1.9	0.2	1.3	3.5	0.4
5 Ferrous Metals	1089.8	26.1	31.5	6.2	0.2	14686.3	13.8	9.0	0.9	2.7	0.3	1.9	4.9	55.9
N-Ferrous Metals	24.4	1.0	3.6	0.9	0.1	3125.5	0.9	1.4	0.2	1.7	0.2	1.1	3.0	56.8
Chemicals	397.1	1551.1	178.1	39.6	7.6	9645.8	65.1	57.8	6.9	24.4	22.0	282.4	328.8	142.0
	2016.5	1487.5	302.2	131.1	12.7	23370.0	94.7	137.9	16.6	55.4	6.7	38.0	100.1	546.6
per	719.0	99.8	50.4	122.7	56.3	4316.3	70.5	11.3	3.4	24.0	2.9	16.5	43.4	55.1
erials	4711.6	171.3	56.4	97.7	0.4	6677.6	70.5	7.7	1.5	23.4	2.8	16.1	42.3	39.5
	83.4	90.1	76.6	92.0	10.4	11636.0	54.1	17.6	4.0	138.6	16.8	95.3	250.7	42.8
y	13.5	974.7	3.3	106.1	0.2	11708.6	24.7	15.7	0.1	596.9	74.2	436.2	1107.3	9.4
ry	23.6	2586.6	34.6	70.6	64.9	3806.9	47.9	17.8	1.7	54.2	6.6	37.3	98.1	42.0
ry	9489.1	8233.9	1920.2	878.1	163.4	107716.9	890.6	753.9	88.6	1114.4	156.0	1057.4	2327.7	1108.6
	0.0	0.0	0.0	0.0	0.0	0.0								
	67.2	9802.2	2.1	204.1	0.0	35335.8	9.5	0.6	0.5	98.0	11.9	67.3	177.2	3.1
- C	431.7	410.4	26.2	52.6	49.8	9078.3								
	0.0	1275.5	0.0	0.0	244.7	8002.0								
Sectors	103.6	50.1	120.9	149.3	3.7	868.9	10.6	10.3	2.4	39.0	4.7	26.8	70.6	43.6
aya	10091.6	19772.1	2069.5	1284.1	461.5	161001.8	910.7	764.8	91.5	1251.4	172.6	1151.6	2575.5	1155.3
ommunal	184.8	88.5	79.1	177.2	8.2	1276.2	15.4	12.9	7.7	12.4	1.7	7.1	21.2	7.8
ransport	150.6	116.5	38.5	82.7	9.9	741.4	24.7	23.1	6.5	37.1	6.2	20.0	63.3	26.0
ommunic.	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.5	4.6	27.1	3.6	19.4	50.1	18.8
on	83.2	90.1	55.4	48.8	2.7	613.2	7.5	8.0	4.2	0.0	0.0	0.0	0.0	0.0
	16.1	17.8	12.2	9.2	0.6	157.4	1.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
tc.	71.4	70.3	43.2	42.1	2.1	489.7	5.9	6.3	3.3	0.0	0.0	0.0	0.0	0.0
ult. & Health	170.7	178.3	110.7	100.1	5.4	1260.2	15.1	16.1	8.5	0.0	0.0	0.0	0.0	0.0
	179.8	76.6	55.5	34.4	1.6	871.6	1.8	2.8	4.1	0.0	0.0	0.0	0.0	102.1
g & Insurance	160.3	85.2	33.4	290.0	2.3	994.7	2.7	3.5	4.6	0.0	0.0	0.0	0.0	2.0
admin.														
Outlays	846.3	545.0	317.2	684.4	27.4	5144.1	62.4	61.9	36.0	76.6	11.5	46.5	134.6	156.7
e & Other														
utlays	10937.9	20317.1	2386.7	1968.5	489.0	166145.9	973.1	826.7	127.5	1328.0	184.1	1198.1	2710.1	1312.0
ciation	1324.7	3829.9	2726.9	683.2	40.4	19417.4	2905.0	643.0	176.6	670.4	70.7	375.6	1116.7	316.0
	4895.6	2890.8	2319.5	3019.1	635.5	30851.8	1218.9	1105.0	334.2	3219.1	490.6	2071.8	5781.5	1217.0
ies	229.1	27.7	45.1	60.2	4.3	763.5	19.5	26.6	7.8	5.3	3.1	8.0	16.4	23.0
ay	521.3	6219.0	5.3	0.0	0.0	7159.6				35.1	5.5	22.5	63.1	
urity	493.7	184.4	196.7	234.2	48.9	3303.8	68.2	92.8	26.4	232.6	36.5	149.0	418.1	151.1
oc. Sec.	5.0	665.5	0.6	0.0	0.0	722.8				3.8	0.6	2.5	6.9	
	2292.4	1413.4	2123.3	2034.5	128.6	28162.2	339.6	276.4	474.9	0.0	0.0	0.0	0.0	211.7
ages	300.5	240.1	195.2	68.8	12.4	2527.5	80.5	108.5	38.8	29.5	15.4	20.6	65.5	132.2
	0.0	0.0	0.0	7.4	0.0	14352.2								
	0.0	0.0	0.0	0.0	0.0	-12472.5								
come	0.0	0.0	113.7	0.0	0.0	596.9								
me	0.0	4845.6	0.0	0.0	0.0	4963.3								
me	943.1	9066.2	0.0	0.0	276.8	10286.1	650.0	200.0	0.0	230.0	50.0	450.0	730.0	
	-1334.5	-441.4	-15.8	-5.2	-0.4	-2435.3		-8.9	-5.2					
Trade	0.0	318.8	-30.0	-5418.0	217.8	763.6								
	9370.4	29020.0	7485.4	615.5	1351.8	106435.3	5201.2	2334.9	1014.7	4425.8	672.4	3100.0	8198.2	1918.8
output	20308.3	49018.2	9902.0	8002.0	1623.0	271817.6	6174.3	3161.6	1142.2	5753.8	856.5	4298.1	10908.3	3230.8
	0.0	1391.7	0.0	0.0	420.6	49933.2								
upply	20308.3	50409.9	9902.0	8002.0	2043.6	321750.8	6174.3	3161.6	1142.2	5753.8	856.5	4298.1	10908.3	3230.8

Ukraine 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank& Insur.	State Admin.	Total Service	Defence & Other	TOTAL OUTLAY	House-holds	-/- Paid	-/- Free	Govern. & Other	Defence & Other	Total Fixed	Invent.	Net Export	G N P
1 Power	1.3	5.4	565.8	0.0	4313.3	727.2	727.2				0.0	0.0		727.2
2 Petro-Gas	2.4	9.5	670.5	259.2	9291.4	719.7	719.7				0.0	76.0		795.7
3 Coal	0.5	1.8	224.8	4.7	6827.7	100.1	100.1				0.0	282.0		382.1
4 Other Fuels	0.0	0.1	6.9	1.1	44.4	3.7	3.7				0.0	2.1		5.8
5 Ferrous Metals	0.1	0.2	84.8	1.8	14772.9	7.5	7.5				0.0	-113.0		-105.5
6 N-Ferrous Metals	0.0	0.0	62.3	0.0	3187.8	0.0	0.0				0.0	-47.8		-47.8
7 Chemicals	2.2	8.8	611.6	639.0	10896.4	1600.5	1600.5				0.0	14.7		1615.2
8 MBMW	1.2	4.6	901.7	6318.7	30590.4	4967.7	4967.7				16204.7	-594.5		20577.9
9 Wood & Paper	1.3	5.1	190.1	0.4	4506.8	1813.3	1813.3				127.9	132.8		2074.0
10 Constr. Materials	0.1	0.8	162.4	0.9	6840.9	692.2	692.2				0.0	-97.8		594.4
11 Light Industry	0.8	3.4	373.4	500.6	12510.0	13536.8	13536.8				13.5	345.0		13895.3
12 Food Industry	0.0	0.1	1157.3	401.9	13267.8	24108.5	24108.5				0.0	330.5		24439.0
13 Other Industry	3.0	11.8	222.3	0.0	4029.2	2381.9	2381.9				1.9	222.9		2606.7
14 Total Industry	12.9	51.6	5233.9	8128.3	121079.1	50659.1	50659.1				16348.0	552.9		61560.0
15 Construction			0.0	0.0	0.0	0.0	0.0				20308.3	0.0		20308.3
16 Agri. & Forestry	0.1	0.6	191.6	79.5	35606.9	11763.5	11763.5		197.5		448.6	1320.5		13730.1
17 Production T & C		0.0	0.0	0.0	9078.3	0.0	0.0		793.7		0.0	0.0		793.7
18 T & D			0.0	0.0	8002.0	0.0	0.0				0.0	0.0	-5418.0	-5418.0
19 Other Prod. Sectors	4.0	16.0	157.5	1.0	1027.4	820.2	820.2				18.6	-25.5		813.4
20 Material Outlays	17.0	68.2	5583.0	8208.8	174793.6	63242.8	63242.8	0.0	991.2	0.0	37123.5	1848.0	-5418.0	97787.5
21 Housing-Communal	11.7	4.7	81.4	19.4	1377.1	4429.0	1992.1	2436.9	238.5	129.7				4797.2
22 N-Prod. Transport	16.8	19.8	180.2	8.6	930.2	2035.1	2035.1	0.0	0.0	503.4			-307.1	2231.4
23 N-Prod. Communic.	9.6	13.6	103.0	2.9	105.9	589.3	589.3	0.0	170.0	318.7			-41.7	1036.3
24 Education	4.9	0.0	24.7	0.0	637.9	5115.9	399.5	4716.4	0.0	0.0				5115.9
25 Culture	1.3	0.0	5.7	0.0	163.0	693.5	372.8	320.7	0.0	0.0				693.5
26 Health, etc.	3.9	0.0	19.4	0.0	509.0	3789.1	1206.6	2582.5	0.0	0.0				3789.1
27 Educ., Cult. & Health	10.1	0.0	49.7	0.0	1310.0	9598.5	1978.9	7619.6	0.0	0.0				9598.5
28 Science	0.0	0.0	110.8	0.0	982.3	0.0	0.0	0.0	616.9	2356.7			-725.1	2248.5
29 Banking & Insurance	0.0	0.0	12.8	0.0	1007.5	623.3	623.3	0.0	0.0	0.0			385.0	1008.3
30 State Admin.					0.0	788.5	788.5	0.0	352.0	0.0				1140.5
31 Service Outlays	48.2	38.1	537.9	30.9	5712.9	18063.7	8007.2	10056.5	1377.4	3308.5			-688.9	22060.7
32 Defense & Other					0.0					12048.1				12048.1
33 Total Outlays	65.2	106.3	6120.9	8239.7	180506.5	81306.5	71250.0	10056.5	2368.6	15356.6	37123.5	1848.0	-6106.9	131896.3
34 Depreciation	13.1	74.0	5244.4	203.3	24865.1									
35 Wages	198.7	897.2	10752.5	3480.6	45084.9									
36 Other Wages	1.7	4.2	99.2	80.2	942.9									
37 Kolkhoz Pay			63.1		7222.7									
38 Social Security	17.9	58.8	833.3	44.3	4181.4									
39 Kolkhos Soc. Sec.			6.9		729.7									
40 Net Profit	1334.2	0.0	2636.8	0.0	30799.0									
41 Bonus Wages	50.2	0.0	475.7		3003.2									
42 Turnover Tax			0.0		14352.2									
43 Net Subsidies			0.0		-12472.5									
44 Other Net Income			0.0		596.9									
45 Kolkhoz Income			0.0		4963.3									
46 Private Income			1580.0		11866.1									
47 Total Losses			-14.1		-2449.4									
48 Net Foreign Trade	385.0		385.0		1148.6									
49 G N P	1950.6	1034.2	21652.6	3808.4	131896.3									
50 Total Output	1630.8	1140.5	27388.5	12048.1	311254.2									
51 Import			0.0		49933.2									
52 Total Supply	1630.8	1140.5	27388.5	12048.1	361187.4									

Ukraine 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Exports	TOTAL
		USES
1 Power	541.3	5581.8
2 Petro-Gas	750.6	10837.7
3 Coal	966.4	8176.2
4 Other Fuels	0.0	50.2
5 Ferrous Metals	7598.5	22265.9
6 N-Ferrous Metals	922.7	4062.7
7 Chemicals	3687.9	16199.5
8 NBMW	16209.0	67377.3
9 Wood & Paper	445.2	7025.9
10 Constr. Materials	730.2	8165.5
11 Light Industry	2752.2	29157.5
12 Food Industry	6999.3	44706.2
13 Other Industry	842.6	7478.5
14 Total Industry	42445.9	231085.0
15 Construction	0.0	20308.3
16 Agri. & Forestry	1072.9	50409.9
17 Production T & C	30.0	9902.0
18 T & D	0.0	8002.0
19 Other Prod. Sectors	202.8	2043.6
20 Material Outlays	43751.6	321750.8
21 Housing-Communal		6174.3
22 N-Prod. Transport		3161.6
23 N-Prod. Communic.		1'42.2
24 Education		5753.8
25 Culture		856.5
26 Health, etc.		4298.1
27 Educ., Cult. & Health		10908.5
28 Science		3230.8
29 Banking & Insurance		1630.8
30 State Admin.		1140.5
31 Service Outlays		27388.6
32 Defense & Other		12048.1
33 Total Outlays	43751.6	361187.4
34 Depreciation		24899.1
35 Wages		45119.9
36 Other Wages		978.9
37 Kolkhoz Pay		7259.7
38 Social Security		4219.4
39 Kolkhoz Soc. Sec.		768.7
40 Net Profit		30839.0
41 Bonus Wages		3044.2
42 Turnover Tax		14394.2
43 Net Subsidies		-12429.5
44 Other Net Income		640.9
45 Kolkhoz Income		5008.3
46 Private Income		11912.1
47 Total Losses		-2402.4
48 Net Foreign Trade		1196.6
49 G N P		131945.3
50 Total Output		311304.2
51 Import		49984.2
52 Total Supply		361239.4

Uzbekistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Million Rubles, Current Prices

Page 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Power	Petro- Gas	Coal	Other Fuels	Ferr. Metals	N-Ferr. Metals	Chem.	MBMW	Wood & Paper	Constr. Mater.	Light	Food	Other Ind.	Total Industry
1 Power	13.2	35.3	2.0	0.0	5.1	41.0	162.3	58.0	6.4	51.4	52.7	30.7	44.6	502.9
2 Petro-Gas	312.4	404.8	0.6	0.0	5.1	12.2	55.6	32.5	2.4	67.8	12.6	18.8	6.0	930.8
3 Coal	35.6	0.0	1.1	0.0	0.0	1.8	0.3	0.8	0.1	4.8	0.4	1.5	0.2	46.6
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2
5 Ferrous Metals	1.3	2.6	0.7	0.0	85.8	13.7	15.3	346.0	11.2	98.9	20.1	4.0	1.1	600.7
6 N-Ferrous Metals	0.2	0.0	0.0	0.0	11.2	434.8	14.6	406.2	0.2	3.5	0.8	1.6	22.8	895.9
7 Chemicals	7.7	27.7	2.2	0.0	2.2	17.0	561.7	126.0	20.0	28.5	140.2	17.7	20.6	971.4
8 MBMW	14.1	5.6	4.5	0.0	8.9	23.0	60.5	961.1	20.1	53.5	68.3	20.0	7.2	1246.8
9 Wood & Paper	0.5	0.3	1.6	0.0	1.0	3.5	65.0	42.4	165.2	41.7	19.5	39.0	4.8	384.4
10 Constr. Materials	3.9	0.2	0.1	0.0	0.6	1.8	7.2	16.9	8.4	365.5	6.5	36.1	2.3	449.4
11 Light Industry	0.7	0.3	0.2	0.0	0.3	1.8	42.0	31.3	25.4	11.9	3146.3	285.4	15.1	3560.7
12 Food Industry	0.4	0.3	0.0	0.0	0.2	1.7	36.7	4.0	0.5	2.3	4.9	1688.6	36.3	1775.8
13 Other Industry	3.7	1.9	0.0	0.0	0.0	0.8	5.6	7.8	0.3	3.8	16.9	34.1	111.7	186.5
14 Total Industry	393.7	479.1	13.0	0.0	120.4	553.1	1026.6	2033.0	260.3	733.7	3489.1	2177.5	272.6	11552.0
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Agri. & Forestry	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.2	0.2	4072.7	2038.0	123.4	6235.7
17 Production T & C	4.3	337.6	17.8	0.0	65.8	14.5	71.3	178.5	71.6	483.3	60.2	92.4	44.5	1441.9
18 T & D	0.0	178.0	6.5	0.0	27.3	0.1	156.6	197.3	33.2	34.7	375.4	519.1	51.9	1580.0
19 Other Prod. Sectors	6.1	4.6	0.0	0.0	16.2	23.6	12.5	28.6	5.4	8.3	13.3	9.2	21.4	149.2
20 Material Outlays	404.1	999.2	37.3	0.0	229.7	591.4	1267.0	2437.7	371.7	1260.1	8010.6	4836.1	513.8	20958.8
21 Housing-Communal	10.6	6.3	0.3	0.0	1.8	4.3	10.9	40.2	4.7	12.0	38.6	18.0	9.5	157.1
22 N-Prod. Transport	2.0	0.3	0.3	0.0	0.4	2.0	3.2	27.5	4.1	12.1	19.8	3.3	7.7	82.7
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Education	6.8	3.0	0.1	0.0	0.9	7.8	6.8	25.1	3.1	7.4	17.2	6.6	6.2	91.0
25 Culture	1.5	0.6	0.0	0.0	0.2	1.1	1.5	6.9	0.7	1.6	4.6	1.5	1.4	21.6
26 Health, etc.	5.0	2.3	0.1	0.0	0.7	3.8	5.3	16.2	2.4	5.8	11.4	4.6	4.8	62.5
27 Educ., Cult. & Health	13.3	5.9	0.3	0.0	1.9	12.7	13.6	48.2	6.1	14.9	33.2	12.7	12.4	175.0
28 Science	8.2	5.2	0.1	0.0	0.6	10.3	6.4	68.9	2.2	9.3	12.3	3.2	2.6	129.1
29 Banking & Insurance	6.0	4.1	0.1	0.0	0.5	2.6	4.5	40.1	1.6	3.8	39.6	22.9	3.2	129.0
30 State Admin.														
31 Service Outlays	40.1	21.8	1.0	0.0	5.1	31.9	38.6	224.9	18.6	52.0	143.5	60.1	35.4	673.0
32 Defense & Other														
33 Total Outlays	444.2	1021.0	38.3	0.0	234.9	623.3	1305.6	2662.5	390.3	1312.1	8154.1	4896.3	549.2	21631.8
34 Depreciation	188.3	128.8	11.7	0.0	18.6	98.7	293.2	320.8	26.0	177.3	181.9	119.2	62.5	1626.9
35 Wages	60.4	19.6	10.4	0.0	10.3	85.0	117.8	643.4	67.3	221.8	446.0	190.2	81.6	1953.7
36 Other Wages	2.0	0.8	0.1	0.0	0.2	3.3	4.6	19.2	1.2	5.1	6.6	5.3	1.6	50.0
37 Kolkhoz Pay	0.3	0.0	0.0	0.0	0.0	0.0	0.0	15.2	2.0	4.6	0.4	2.7	2.1	27.4
38 Social Security	7.7	2.3	1.1	0.0	1.6	9.6	12.3	72.4	3.9	18.1	47.7	18.3	6.0	201.2
39 Kolkhoz Soc. Sec.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.2	0.5	0.0	0.3	0.2	3.1
40 Net Profit	224.8	191.2	7.8	0.0	12.8	140.8	121.2	405.7	54.1	156.7	529.4	208.2	58.7	2111.5
41 Bonus Wages	9.3	3.8	1.1	0.0	0.6	8.0	9.9	77.5	8.0	10.7	25.2	20.1	4.1	178.3
42 Turnover Tax	71.8	177.7	0.0	0.0	0.4	0.0	61.5	52.8	6.0	43.0	1787.4	1262.5	69.0	3532.0
43 Net Subsidies	0.0	0.0	-18.3	0.0	0.0	0.0	-157.9	-71.4	0.0	0.0	-839.9	-717.8	0.0	-1805.3
44 Other Net Income	0.0	47.3	0.6	0.0	4.6	21.2	18.8	0.0	0.0	51.4	0.0	34.3	0.0	178.2
45 Kolkhoz Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.3	0.1	0.0	-11.5	0.1	-9.7
46 Private Income	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Total Losses	-2.5	-2.0	-0.2	0.0	-0.2	-1.3	-6.5	-16.4	-10.0	-5.6	-57.5	-1.6	-13.0	-116.7
48 Net Foreign Trade	-50.1	388.3	34.0	0.2	560.5	39.6	243.4	2164.5	708.8	153.4	-1662.9	1171.8	196.5	3948.0
49 G N P	502.7	954.0	47.2	0.2	608.7	397.0	708.4	3609.4	859.8	826.5	439.2	2281.9	465.4	11700.3
50 Total Output	997.0	1586.7	51.5	0.0	283.0	980.7	1770.7	4107.4	541.4	1985.2	10256.2	6006.4	818.0	29384.1
51 Import	151.8	990.1	47.8	0.2	671.8	387.0	979.5	3292.0	741.5	235.8	2616.7	1961.1	231.4	12306.7
52 Total Supply	1148.8	2576.8	99.3	0.2	954.8	1367.7	2750.2	7399.4	1282.9	2221.0	12872.9	7967.5	1049.4	41690.8

Uzbekistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Constr.	Agricult.	T & C	T & D	Other	TOTAL	Housing	Transp.	Comm.	Educ.	Cult.	Health	Educ. & Science	
					Prod.	PROD.							Health	
1 Power	40.5	39.6	45.1	32.2	3.1	663.3	59.1	9.2	5.7	36.7	4.4	25.2	66.4	6.8
2 Petro-Gas	100.5	194.8	190.3	18.8	1.0	1436.2	12.7	116.7	2.2	18.4	2.2	12.7	33.3	12.7
3 Coal	0.8	6.9	2.8	1.7	0.2	58.9	0.0	0.1	0.2	10.8	1.3	7.4	19.5	0.3
4 Other Fuels	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Ferrous Metals	215.9	6.9	7.8	1.6	0.0	832.9	1.2	0.8	1.1	0.4	0.1	0.3	0.8	4.0
6 N-Ferrous Metals	2.1	0.2	0.3	0.2	0.1	898.7	0.0	0.2	0.0	1.7	0.2	1.1	3.0	3.9
7 Chemicals	97.2	384.6	34.1	4.6	0.9	1492.7	5.4	15.0	1.0	6.4	5.8	73.8	85.9	10.3
8 MBMW	347.6	284.0	61.2	58.4	3.1	2001.1	12.2	41.9	4.9	25.2	3.1	17.3	45.6	31.1
9 Wood & Paper	338.8	21.0	4.5	25.5	9.0	783.2	8.0	1.3	2.9	15.2	1.8	10.5	27.5	6.6
10 Constr. Materials	1363.6	41.4	4.5	24.9	0.2	1884.1	4.8	4.5	0.0	6.4	0.8	4.4	11.6	6.6
11 Light Industry	10.2	92.3	4.2	19.4	0.6	3687.4	11.1	2.4	1.6	56.9	6.9	39.1	102.9	4.9
12 Food Industry	2.9	134.2	0.3	27.4	0.1	1940.7	2.6	3.0	0.0	176.8	22.0	129.8	328.7	0.3
13 Other Industry	7.0	285.6	6.3	7.1	22.1	514.5	5.0	1.1	0.0	14.8	1.8	10.1	26.7	3.1
14 Total Industry	2527.1	1491.5	361.3	221.6	40.4	16193.9	122.1	196.2	19.6	369.7	50.4	331.8	751.9	90.6
15 Construction	0.0	0.0	0.0	0.0	0.0	0.0								
16 Agri. & Forestry	0.6	838.1	0.2	25.9	0.0	7100.6	5.6	0.1	0.0	31.5	3.8	21.6	56.9	0.1
17 Production T & C	152.9	111.2	7.0	8.4	23.1	1744.5								
18 T & D	0.0	472.5	0.0	0.0	12.0	2064.5								
19 Other Prod. Sectors	11.8	9.8	1.9	15.2	2.2	190.1	0.8	2.8	0.0	6.4	0.8	4.4	11.5	6.1
20 Material Outlays	2692.4	2923.1	370.4	271.1	77.7	27293.6	128.4	199.1	19.6	407.5	55.0	357.8	820.3	96.8
21 Housing-Communal	18.7	12.4	11.2	28.9	2.7	231.1	3.0	3.2	1.4	4.1	0.7	4.2	9.1	1.2
22 N-Prod. Transport	19.0	15.6	5.9	13.7	3.2	140.1	4.8	5.7	1.2	15.4	2.7	16.1	34.2	4.1
23 N-Prod. Communic.	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9	5.4	1.7	8.0	15.1	4.9
24 Education	18.6	12.7	8.5	9.1	0.9	140.8	1.4	2.0	0.8	0.0	0.0	0.0	0.0	0.0
25 Culture	2.1	2.8	1.9	1.7	0.2	30.3	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0
26 Health, etc.	8.0	7.9	5.6	5.0	0.7	89.6	1.1	1.5	0.6	0.0	0.0	0.0	0.0	0.0
27 Educ., Cult. & Health	28.7	23.4	16.0	15.8	1.8	260.7	2.9	4.0	1.6	0.0	0.0	0.0	0.0	0.0
28 Science	20.7	12.6	10.6	5.3	0.5	178.9	0.3	0.7	0.8	0.0	0.0	0.0	0.0	14.2
29 Banking & Insurance	19.5	12.6	5.1	141.0	0.7	308.0	0.5	0.9	0.9	0.0	0.0	0.0	0.0	0.3
30 State Admin														
31 Service Outlays	106.5	76.7	48.9	204.8	9.0	1118.8	12.0	15.3	6.7	24.9	5.1	28.3	58.3	24.7
32 Defense & Other														
33 Total Outlays	2798.9	2999.8	419.3	475.9	86.7	28412.4	140.4	214.4	26.3	432.4	60.1	386.1	878.6	121.5
34 Depreciation	449.5	876.2	550.4	192.7	12.5	3708.2	619.9	141.2	27.4	153.7	16.2	86.1	256.0	69.0
35 Wages	1782.8	1718.7	565.6	833.0	122.6	6976.5	258.0	230.0	60.3	1453.6	100.0	587.3	2140.9	211.6
36 Other Wages	89.0	19.0	21.2	9.9	0.6	189.9	5.9	8.6	1.8	6.5	2.0	6.2	14.7	4.8
37 Kolkhoz Pay	0.0	1700.5	0.0	0.0	0.0	1728.0				13.6	1.7	8.2	23.5	
38 Social Security	154.8	74.3	44.3	52.8	9.0	536.4	14.5	19.3	4.8	105.5	7.3	42.6	155.4	26.4
39 Kolkhoz Soc. Sec.	0.0	173.9	0.0	0.0	0.0	177.0				1.5	0.2	0.9	2.6	
40 Net Profit	385.7	216.4	309.2	502.6	6.5	3531.9	43.1	115.6	87.8	0.0	0.0	0.0	0.0	38.2
41 Bonus Wages	51.2	84.5	33.8	46.8	0.0	394.6	17.1	43.3	7.0	14.4	2.0	7.9	24.3	23.1
42 Turnover Tax	0.0	0.0	0.0	0.3	0.0	3532.3								
43 Net Subsidies	0.0	0.0	0.0	0.0	0.0	-1805.3								
44 Other Net Income	0.0	0.0	10.0	0.0	0.0	188.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Kolkhoz Income	0.0	297.8	0.0	0.0	0.0	288.1								
46 Private Income	272.8	2399.1	0.0	0.0	94.6	2766.5	109.0	49.0		90.0	9.0	102.0	201.0	
47 Total Losses	-200.7	-203.1	-9.4	-2.7	-0.5	-533.1		-3.6	-0.9					
48 Net Foreign Trade		21.4	0.0	-4362.0	30.2	-362.4								
49 G N P	2934.0	7294.3	1491.4	-2773.3	275.5	20922.1	1050.4	560.1	181.2	1838.8	138.4	841.2	2818.4	350.0
50 Total Output	5732.9	10272.6	1910.7	2064.5	332.0	49696.9	1190.8	774.5	207.5	2271.2	198.5	1227.3	3697.0	471.5
51 Import	0.0	610.8	0.0	0.0	56.1	12973.6								
52 Total Supply	5732.9	10883.4	1910.7	2064.5	388.1	62670.6	1190.8	774.5	207.5	2271.2	198.5	1227.3	3697.0	471.5

Uzbekistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

Page 3

	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Bank & Insur.	State Admin.	TOTAL SERV.	Defence & Other	TOTAL OUTLAY	House-holds	-/- Paid	-/- Free	Govern.	Defence & Other	Total Fixed	Invent.	Net Export	GNP
1 Power	0.3	1.2	148.7	0.0	812.0	134.9	134.9				0.0	0.1	0.0	134.9
2 Petro-Gas	0.9	3.6	182.1	33.3	1651.6	296.0	296.0				0.0	27.4	0.0	323.4
3 Coal	0.1	0.7	20.9	0.6	80.4	7.0	7.0				0.0	-1.8	0.0	5.2
4 Other Fuels	0.0	0.1	0.1	0.1	0.4	0.0	0.0				0.0	-0.1	0.0	-0.1
5 Ferrous Metals	0.0	0.0	7.9	0.2	841.0	1.4	1.4				0.0	1.0	0.0	2.4
6 N-Ferrous Metals	0.0	0.0	7.1	0.0	905.8	0.0	0.0				0.0	114.5	0.0	114.5
7 Chemicals	0.9	3.4	121.9	82.1	1696.7	333.6	333.6				0.0	-16.1	0.0	317.5
8 MBMW	0.3	1.2	137.2	771.1	2909.4	1178.1	1178.1				2786.9	-602.6	0.0	3362.4
9 Wood & Paper	0.2	1.0	47.5	0.0	830.7	361.2	361.2				80.5	-22.1	0.0	419.3
10 Constr. Materials	0.0	0.2	27.7	0.1	1911.9	166.4	166.4				0.0	60.3	0.0	226.7
11 Light Industry	0.3	1.0	124.2	65.5	3877.1	4255.9	4255.9				136.7	323.7	0.0	4716.3
12 Food Industry	0.0	0.0	334.6	52.9	2328.2	4834.2	4834.2				0.0	15.9	0.0	4850.1
13 Other Industry	0.6	2.3	38.8	0.0	553.3	368.7	368.7				71.8	20.7	0.0	461.3
14 Total Industry	3.6	14.7	1198.7	1005.9	18398.5	11937.3	11937.4				3076.0	-79.5	0.0	14933.8
15 Construction			0.0		0.0						5732.9	0.0	0.0	5732.9
16 Agri. & Forestry	0.1	0.2	63.0	10.5	7174.1	2612.2	2612.2				236.3	271.6	0.0	3120.1
17 Production T & C		0.0	0.0	0.0	1744.5	0.0	0.0		166.2		0.0	0.0	0.0	166.2
18 T & D			0.0	0.0	2064.5	0.0	0.0				0.0	0.0	-4362.0	-4362.0
19 Other Prod. Sectors	1.4	5.5	28.1	0.0	218.2	104.6	104.5				13.0	26.3	0.0	143.9
20 Material Outlays	5.1	20.4	1289.7	1016.4	29599.7	14654.1	14654.2	0.0	166.2	0.0	9058.1	218.4	-4362.0	19734.9
21 Housing-Communal	2.7	1.4	21.9	74.8	327.8	789.6	370.5	419.1	58.1	15.3				863.0
22 N-Prod. Transport	3.0	5.8	58.7	31.8	230.7	559.9	559.9	0.0	0.0	59.4			-75.5	543.8
23 N-Prod. Commun.	2.5	4.0	28.7	11.3	40.0	85.3	85.3	0.0	55.7	43.3			-16.8	167.5
24 Education	1.3	0.0	5.6		146.3	2124.9	110.5	2014.4	0.0	0.0				2124.9
25 Culture	0.3	0.0	1.2		31.5	167.0	74.6	92.4	0.0	0.0				167.0
26 Health, etc.	1.0	0.0	4.3		94.0	1133.3	182.2	951.1	0.0	0.0				1133.3
27 Educ., Cult. & Health	2.7	0.0	11.1		271.8	3425.2	367.3	3057.9	0.0	0.0				3425.2
28 Science	0.0	0.0	16.0		194.9	0.0	0.0	0.0	211.1	217.5			-152.0	276.6
29 Banking & Insurance	0.0	0.0	2.5		310.5	74.9	74.9	0.0	0.0	0.0			40.0	114.9
30 State Admin						164.8	164.8	0.0	85.8	0.0				250.6
31 Service Outlays	10.9	11.2	139.0	117.9	1375.7	5099.7	1622.7	3477.0	410.7	335.5	0.0	0.0	-204.3	5641.6
32 Defense & Other										2847.9				2847.9
33 Total Outlays	16.0	31.6	1428.7	1134.3	30975.4	19753.9	16276.9	3477.0	576.9	3183.4	9058.1	218.4	-4566.3	28224.3
34 Depreciation	2.4	13.6	1129.5	90.6	4928.3									
35 Wages	36.4	184.5	3121.7	332.7	10430.9									
36 Other Wages	1.2	4.2	41.2	9.2	240.3									
37 Kolkhoz Pay			23.5		1751.5									
38 Social Security	3.6	16.7	240.7	25.9	803.0									
39 Kolkhoz Soc. Sec.			2.6		179.6									
40 Net Profit	325.8	0.0	610.5	1255.2	5397.6									
41 Bonus Wages	13.5	0.0	128.3	12.1	535.0									
42 Turnover Tax			0.0		3532.3									
43 Net Subsidies			0.0		-1805.3									
44 Other Net Income	0.0	0.0	0.0		188.2									
45 Kolkhoz Income			0.0		288.1									
46 Private Income			359.0		3125.5									
47 Total Losses			-4.5		-537.6									
48 Net Foreign Trade	40.0		40.0		-322.4									
49 G N P	409.4	219.0	5588.5	1713.6	28224.3									
50 Total Output	385.4	250.6	6977.2	2847.9	59522.1									
51 Import					12973.6									
52 Total Supply	385.4	250.6	6977.2	2847.9	72495.8									

Uzbekistan 3: 1987 Input-Output Table in Purchasers' Prices--SNA Format

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	43	44
	Exports	TOTAL
	USES	
1 Power	201.9	1148.8
2 Petro-Gas	601.8	2576.8
3 Coal	13.8	99.4
4 Other Fuels	0.0	0.3
5 Ferrous Metals	111.3	954.8
6 N-Ferrous Metals	347.4	1367.7
7 Chemicals	736.1	2750.3
8 MBMW	1127.5	7399.3
9 Wood & Paper	32.7	1282.7
10 Constr. Materials	82.4	2221.0
11 Light Industry	4279.6	12873.0
12 Food Industry	789.3	7967.6
13 Other Industry	34.9	1049.5
14 Total Industry	8358.7	41691.0
15 Construction	0.0	5732.9
16 Agri. & Forestry	589.4	10883.6
17 Production T & C	0.0	1910.7
18 T & D	0.0	2064.5
19 Other Prod. Sectors	25.9	388.0
20 Material Outlays	8974.0	62670.6
21 Housing-Communal		1190.8
22 N-Prod. Transport		774.5
23 N-Prod. Communic.		207.5
24 Education		2271.2
25 Culture		198.5
26 Health, etc.		1227.3
27 Educ., Cult. & Health		3697.0
28 Science		471.5
29 Banking & Insurance		385.4
30 State Admin		250.6
31 Service Outlays	0.0	7221.6
32 Defense & Other		2847.9
33 Total Outlays	8974.0	72495.8
34 Depreciation		
35 Wages		
36 Other Wages		
37 Kolkhoz Pay		
38 Social Security		
39 Kolkhoz Soc. Sec.		
40 Net Profit		
41 Bonus Wages		
42 Turnover Tax		
43 Net Subsidies		
44 Other Net Income		
45 Kolkhoz Income		
46 Private Income		
47 Total Losses		
48 Net Foreign Trade		
49 G N P		
50 Total Output		
51 Import		
52 Total Supply		

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